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BULETINUL
SOCIETATEI POLITECNICE

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Anul 1937

DIRECTIUNEA GENERALĂ C. F. R.
DIRECTIUNEA Lucrărilor și Întreținerei (C.D.)

ATLAS
1889

REGIA AUTONOMĂ C. F. R.
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BUCURESCI
TIPOGRAFIA CURTEI REGALE, **F. GÖBL FII,** PASSAGIUL ROMAN, 12,
1890.

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D
54

LEGENDA

I. Calea teledinamică Tîrgu-Ocna-Saline.

1) Plan de situaţie şi profil în lung.
2) Staţiunea de încărcare, plan general, secţiĭ.
3) Staţia de descărcare, plan general, secţiĭ.
4) Suporţii laterali pentru şinele suspendate, manşoane pentru cablu de tracţiune, suportul acelor mobile, cusineţi mobili şi fixi pentru cablurile purtative.
5) Staţiunea de încărcare, planul compartimentului scripetelor, roata motrice a scripetelor.
6) Staţiunea de încărcare, secţii longitudinale şi transversale a compartimentului scripetelor.
7) Staţiunea de descărcare, secţii transversale şi în lung, declanşor pentru vagonete, cusineţi pentru cablurile de tracţiune
8) Staţiunea de descărcare, plan.
9) Staţiunea de descărcare, secţii transversale, cusineţi pentru cablurile de tracţiune
10) Staţiunĭ intermediare, plan, secţiuni,
11) Aparatul de acuplare.

II. Docurile din Galaţi şi Brăila.

12) Profilul transversal al cheului la Dunărea, profilul transversal al Basinului, planul basinului la Brăila

13) **III. Tablou grafic a vagoanelor acoperite, expediate încărcate şi goale în anul 1888.**

IV. Macara plutitoare de 40 tone.

14) Secţii transversale şi longitudinale.
15) Plan, secţia orizontală.

V. Calea ferată Bucuresci-Feteşti.

16) Tunelul din valea Mostiştea. — Plan de situaţie, planul tunelului, secţii longitudinale şi transversale.— Detalii.

VI. Incercări la tracţiune cu tole de fer şi oţel.

17) Curbe representând variaţiile de resistenţă şi lungire.

VII. Cupola Ateneului Român din Bucureşti.

18) Calculul grafic, diagrama fermelor.
19) Secţia cupolei, plan general.
20) Secţii transversale, planul fermelor.

VIII. Turnul de 300 m. de la exposiţia din Paris.

21) Diagramă, secţii orizontale.

IX. Pod peste Dunărea la Cernavoda.

22) Profil în lung, plan de situaţie, secţie geologică.
23) Elevaţia generală a podului, plan.
24) Detaliuri de îmbinări a nodurilor.
25) Detaliuri de îmbinări a nodurilor.
26) Detaliuri de îmbinări a nodurilor.
27) Secţia transversală prin montantul de 24 m. înălţime.
28) Construcţia longeroanelor şi a grinzilor transversale.
29) Aparatul de razăm suspendat.
30) Razemele pe pile şi culee.
31) Pilele centrale, ansamblu şi detalii.
32) Pilele laterale, ansamblu şi detalii.
33) Culea Cernavoda, ansamblu şi detalii.
34) Chesoanele pilelor centrale, plan, secţii longitudinale.
35) Detaliele chesoanelor şi a batardoului.
36) Projectul modificat. — Elevaţie generală a podului şi planul.

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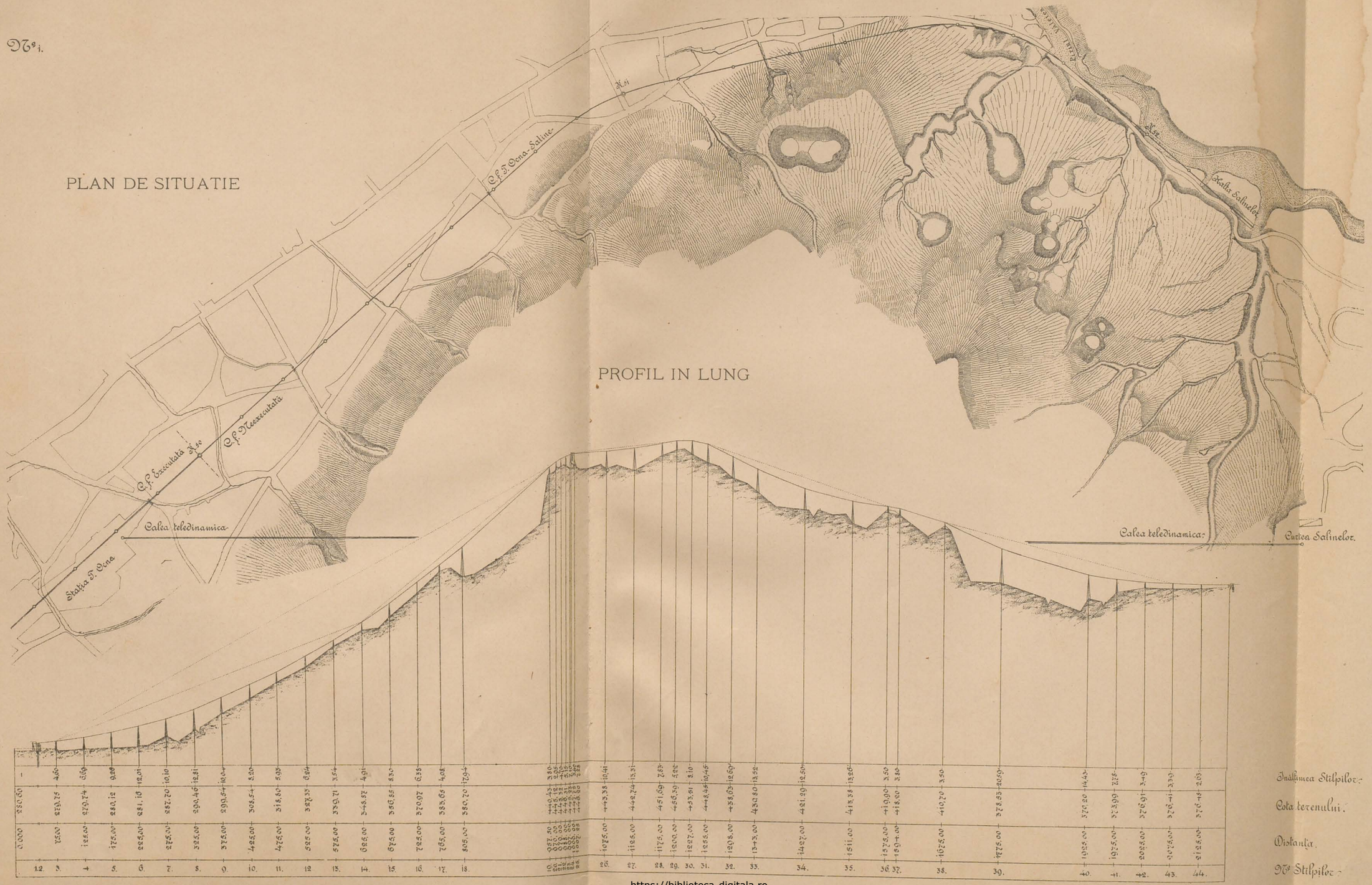
CALEA TELEDINAMICA TIRGU OCNA-SALINE

No. 1.



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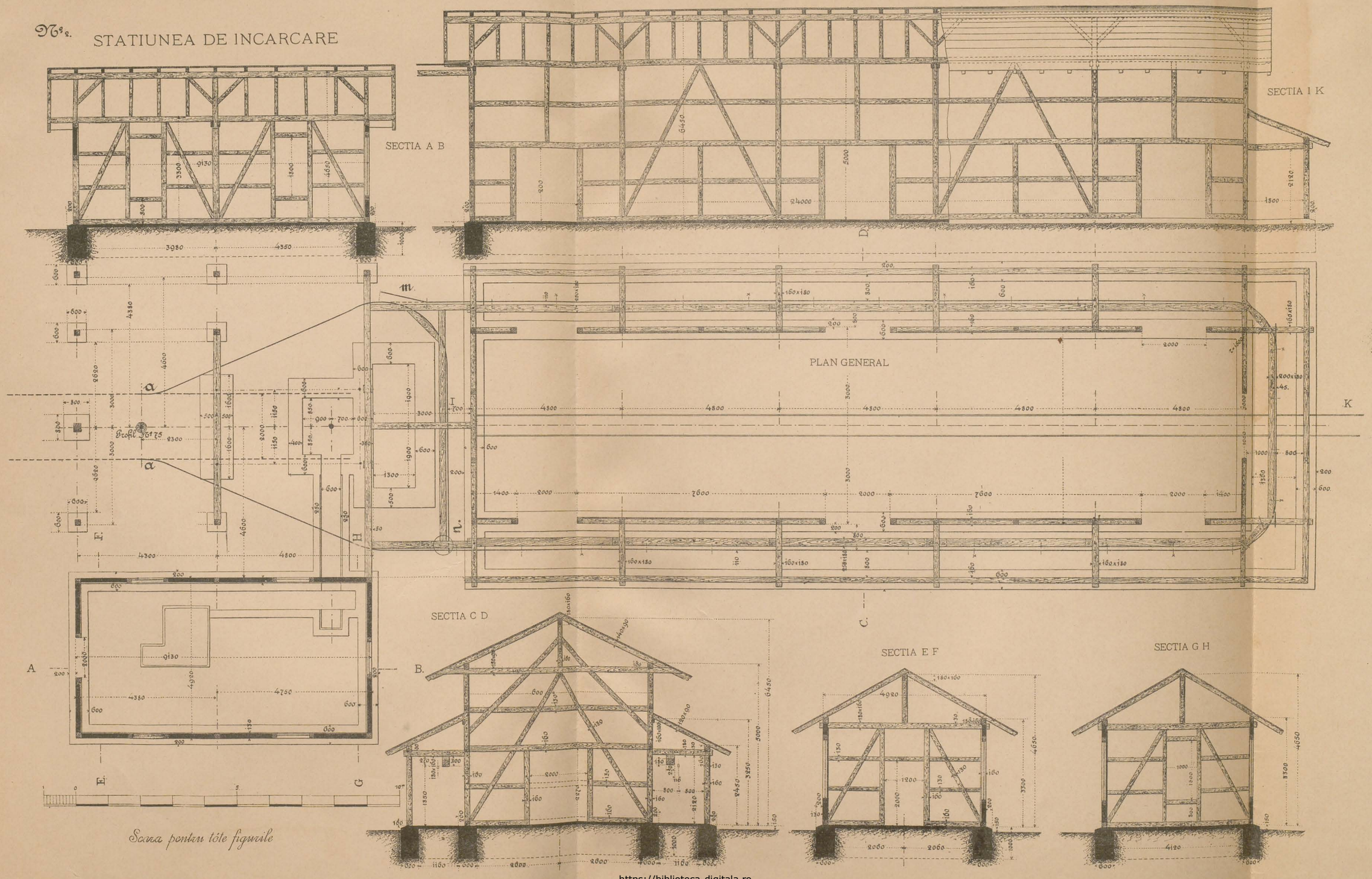
CALEA TELEDINAMICA TIRGU OCNA-SALINE

Nº 2.

STATIUNEA DE INCARCARE



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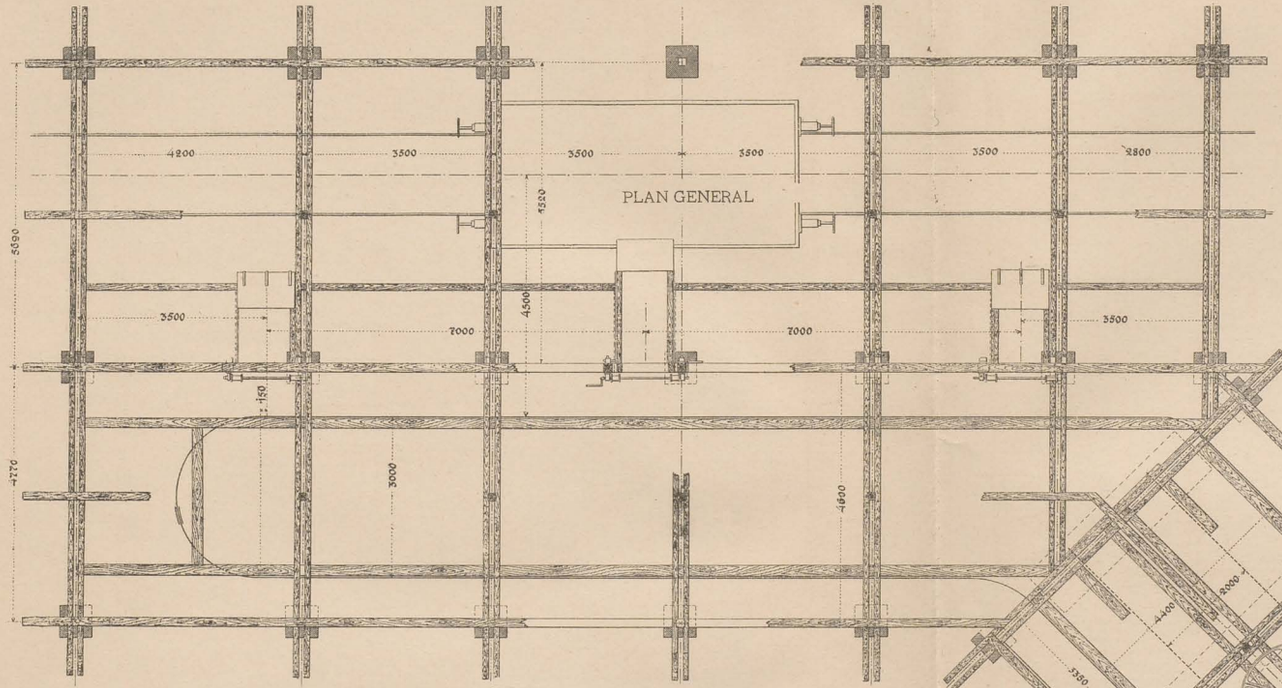
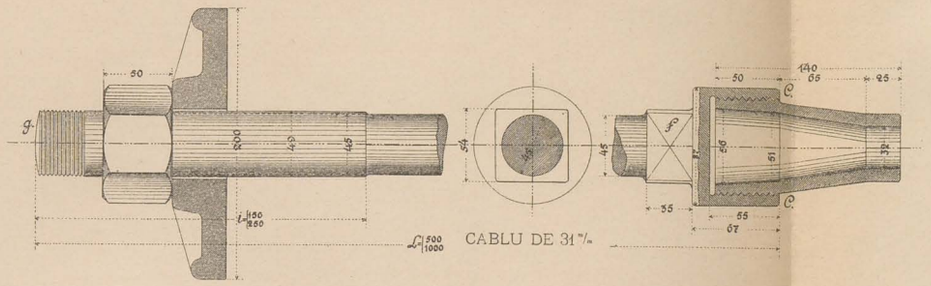
CALEA TELEDINAMICA TIRGU OCNA-SALINE

No 3.

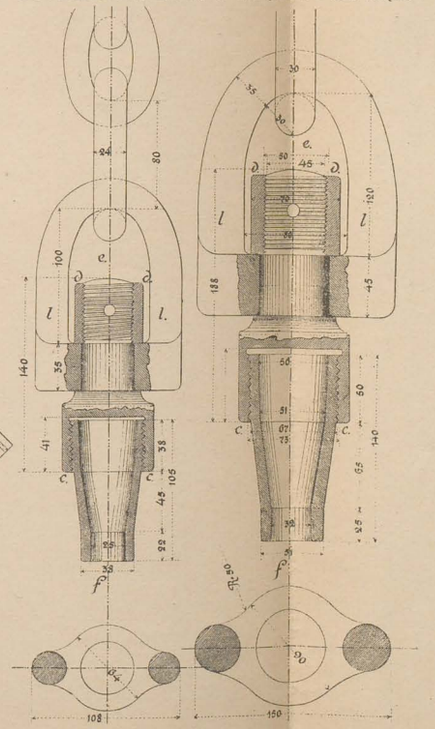
STATIUNEA DE DISCARCARE



CAPETELE ANCORATE ALE CABLURILOR PURTATOARE

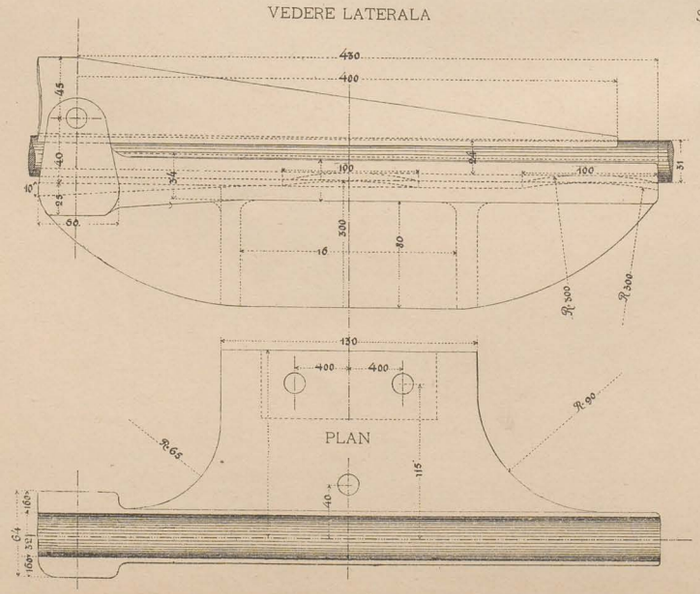


CAPETELE SUSPENDATE ALE CABLURILOR PURTATOARE

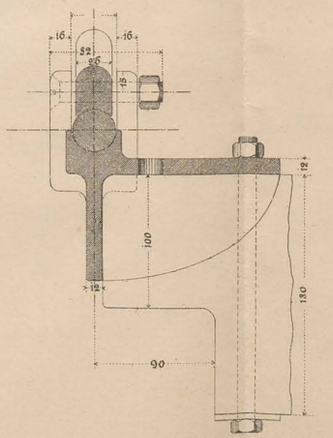


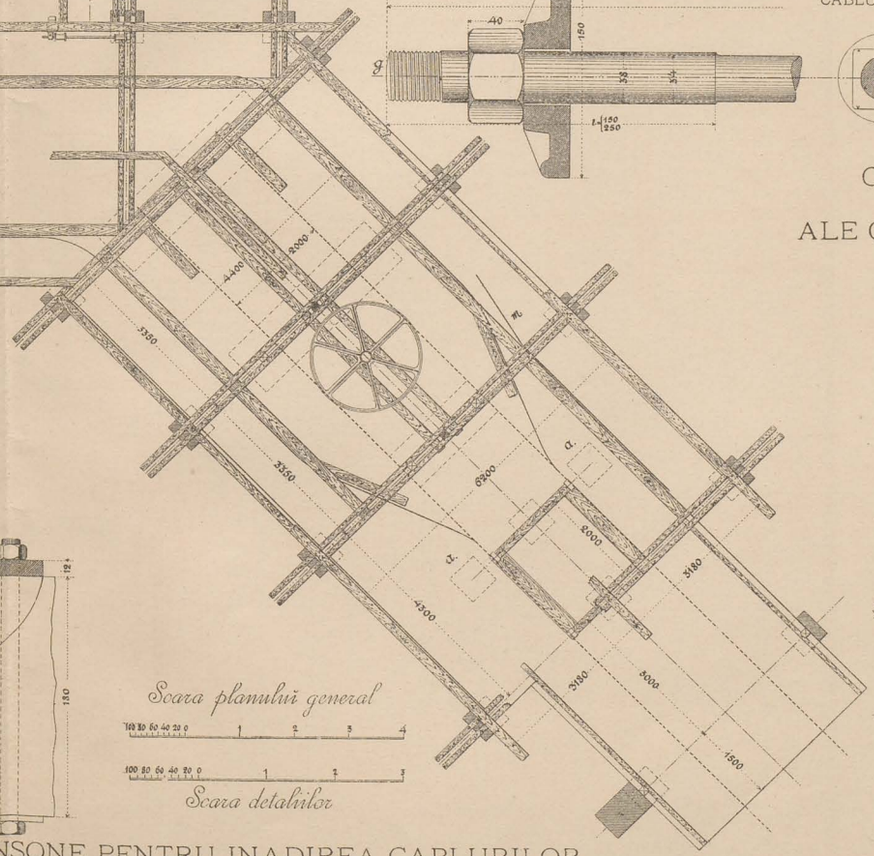
ACE

VEDERE LATERALA



SECTIA TRANSVERSALA

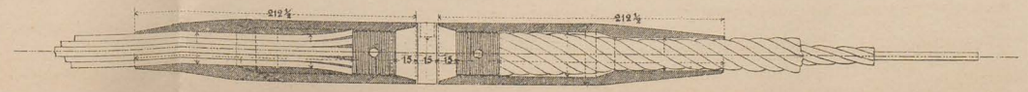




Scara planului general

Scara detaliilor

MANSONE PENTRU INADIREA CABLURILOR



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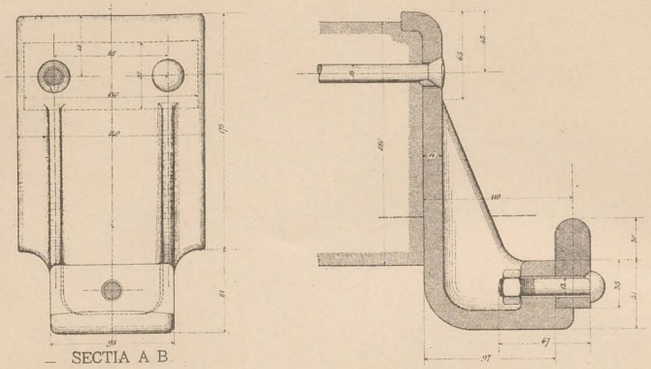
CALEA TELEDINAMICA TIRGU OCNA-SALINE

No 4.

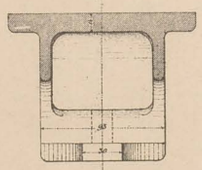
SUPORT LATERAL PENTRU ŞINE SUSPENDATE

VEDERE DIN FATA

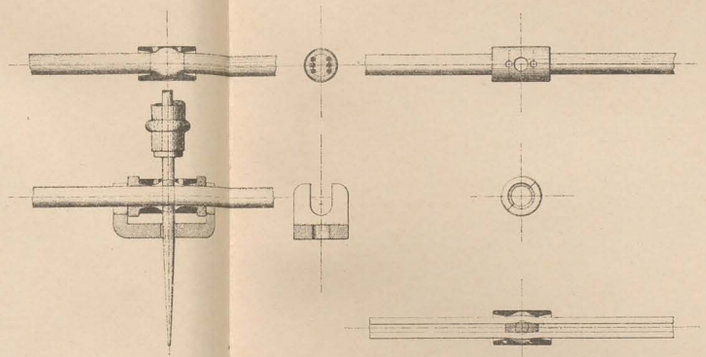
VEDERE LATERALA



SECTIA A B

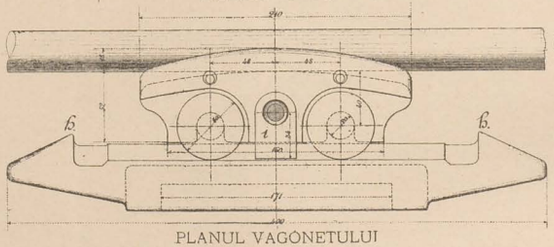


MANSOANE PENTRU CABLUL DE TRACTIUNE

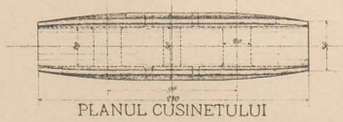


SECTIA TRANSVERSALA PRIN AXUL ROTILOR

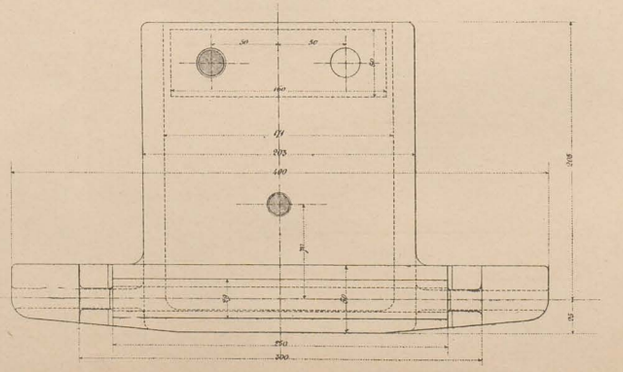
VEDERE LATERALA



PLANUL VAGONETULUI



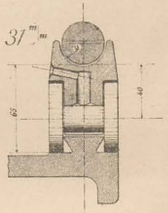
PLANUL CUSINETULUI



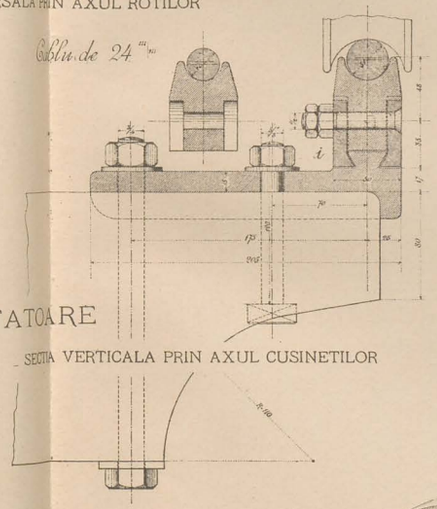
CUSINETI MOBILI

PENTRU CABLURILE PURTATOARE

Cablu de 31 m/m

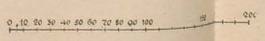


Cablu de 24 m/m



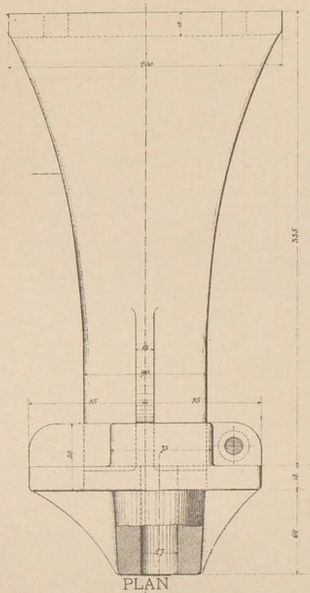
SECTIA VERTICALA PRIN AXUL CUSINETILOR

Scara pentru tóte figurile

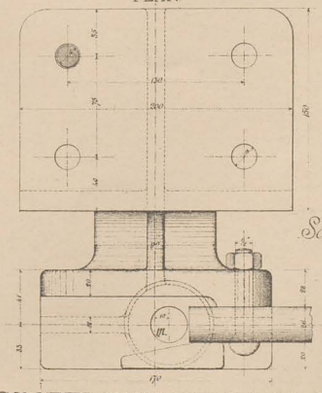


SUPORTUL ACELOR MOBILE

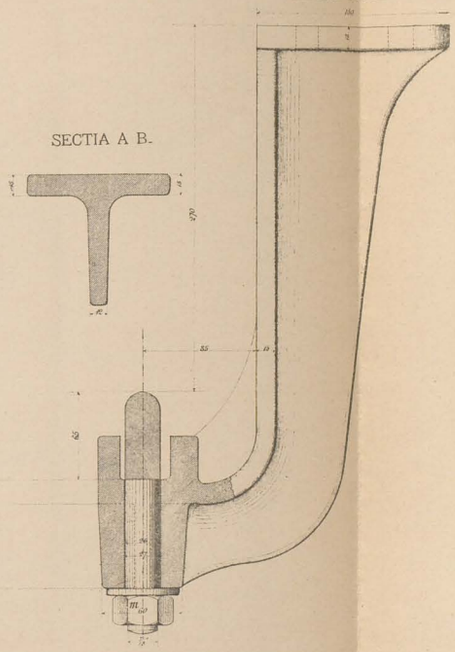
VEDERE DIN FATA



PLAN



VEDERE LATERALA



SECTIA A B

ACE MOBILE

VEDERE DIN FATA

Scara

PLAN

CUSINETI FIXI PENTRU CABLURILE PURTATOARE

CABLU DE 31 m/m

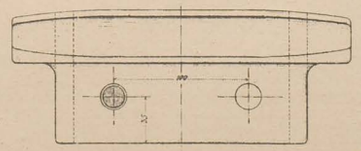
Plan

CABLU DE 24 m/m

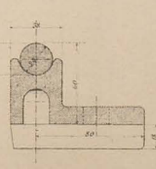
Plan

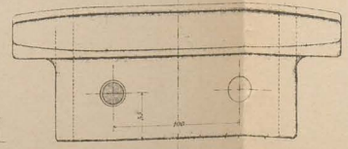
Secţii in lung

Secţia transversală



Secţia transversală





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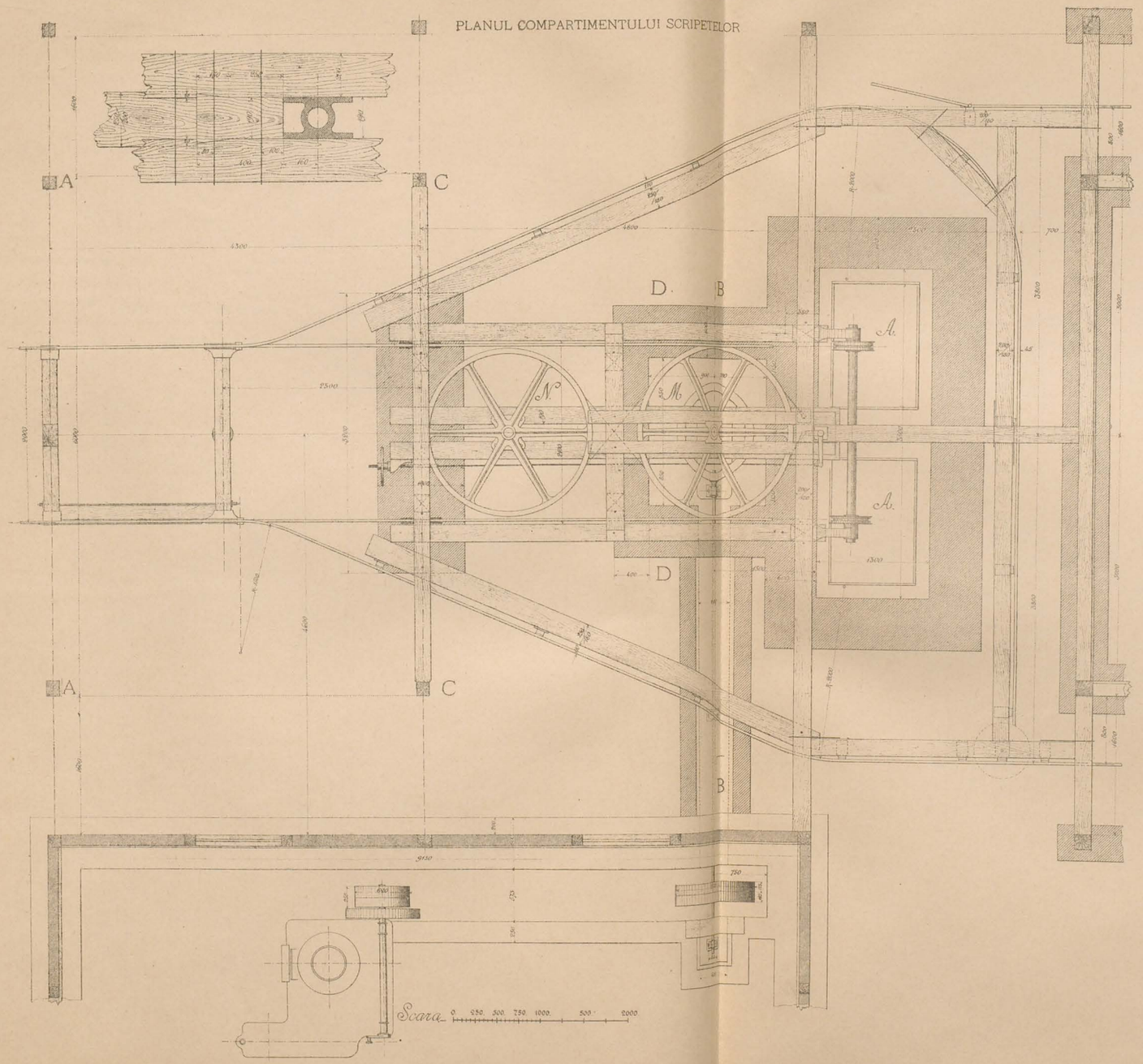
CALEA TELEDINAMICA TIRGU OCNA-SALINE

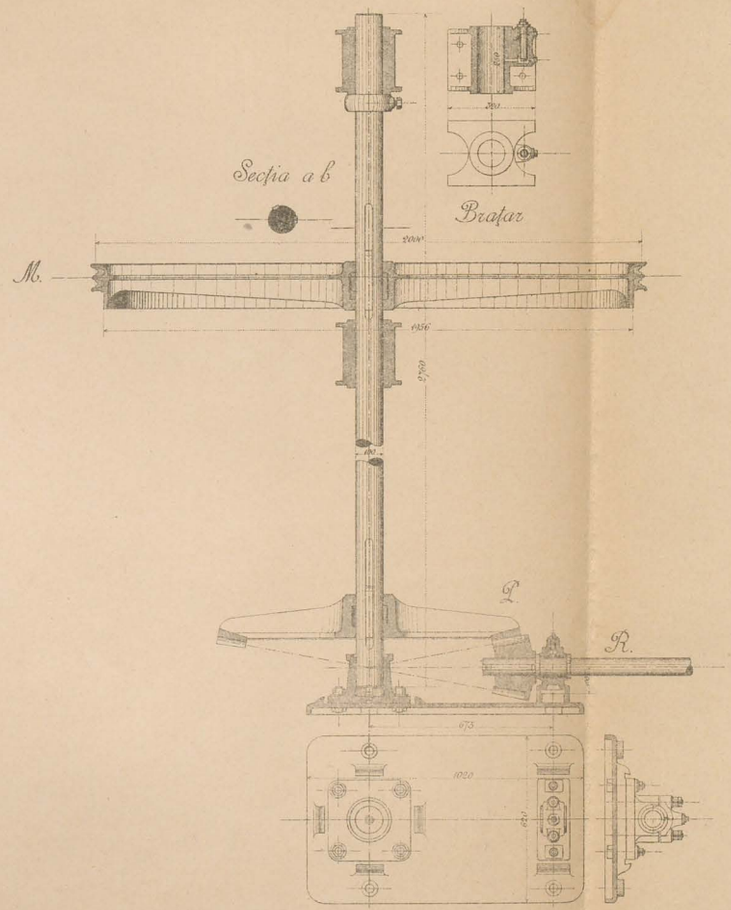
No 5.

STATIUNE DE INCARCARE

PLANUL COMPARTIMENTULUI SCRIPETELOR

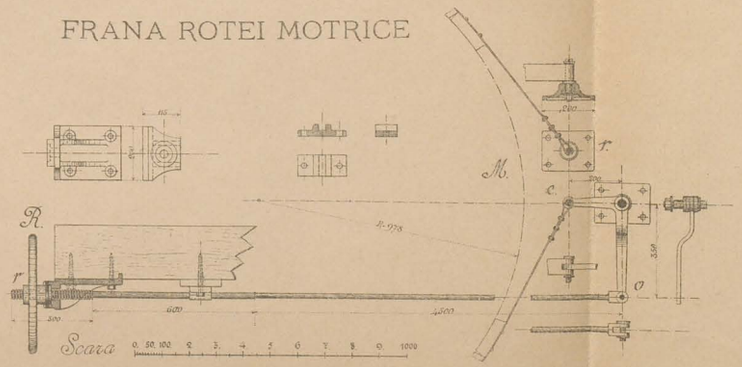


ROTA MOTRICE A SCRIPETELOR CU AXUL SEU



PLACA DE FUNDAȚIE

FRANA ROTEI MOTRICE



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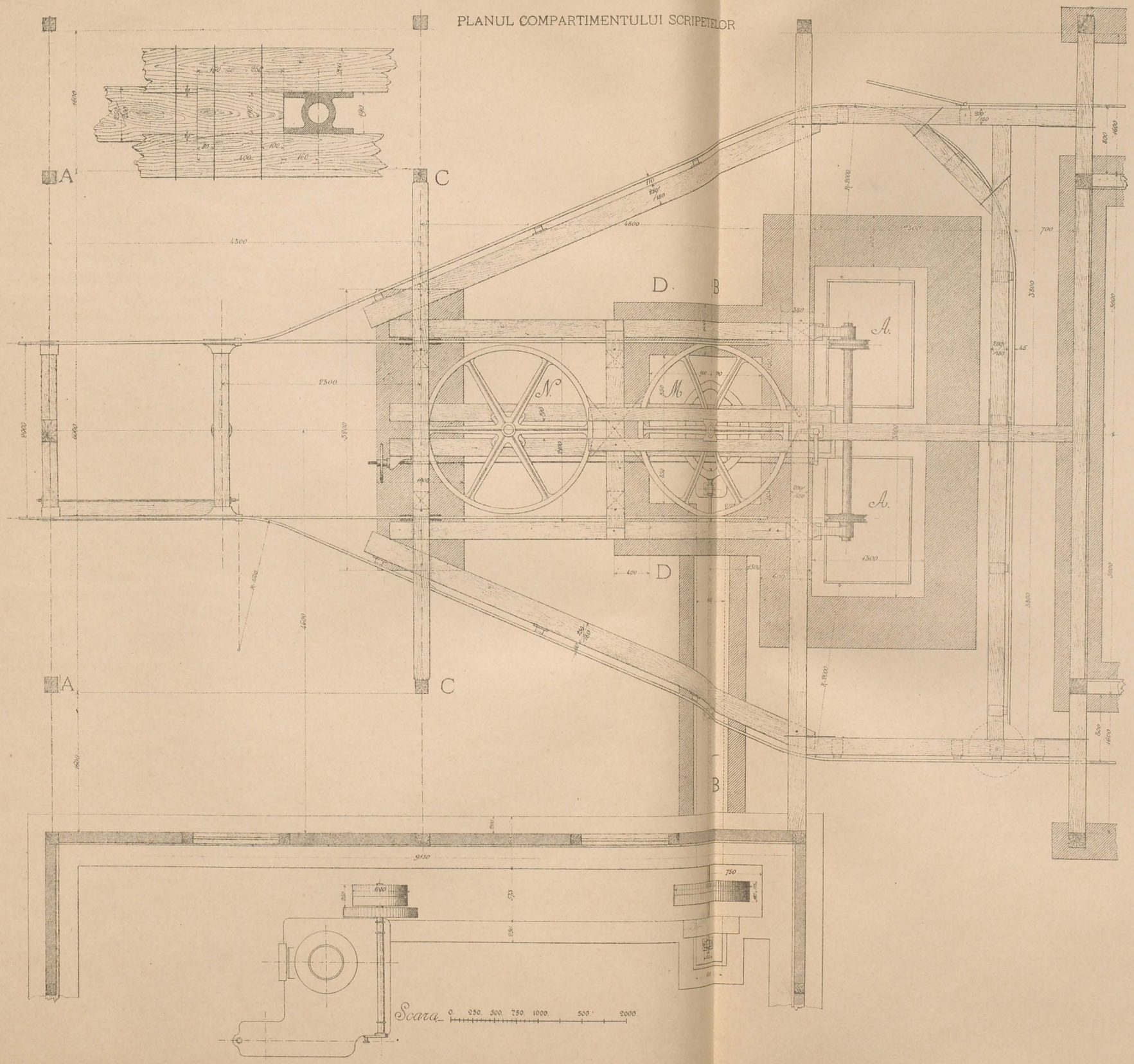
Societatea Politecnică

No. 5.

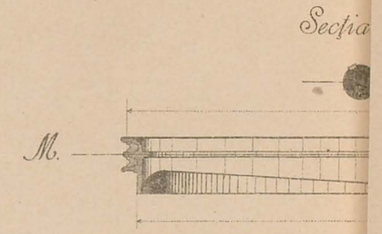
CALEA TELEDINAMICA TIRGU OCNA-SALINE

STATIUNE DE INCARCARE

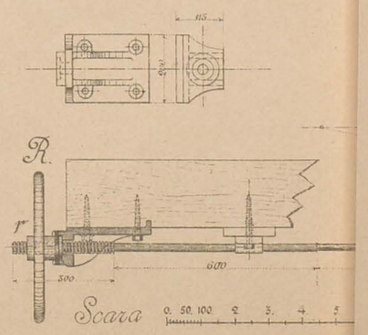
PLANUL COMPARTIMENTULUI SCRIPETELOR



ROTA MOTRICE A



FRANA ROTEI M



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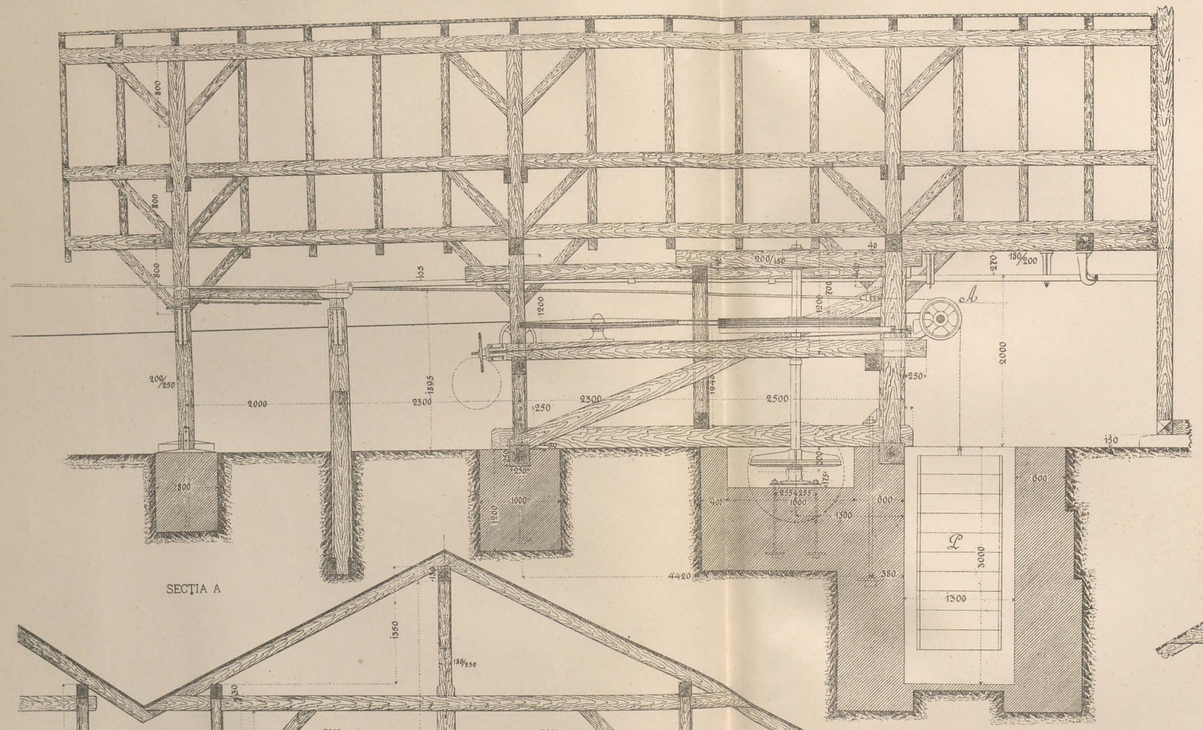
CALEA TELEDINAMICA TIRGU OCNA-SALINE

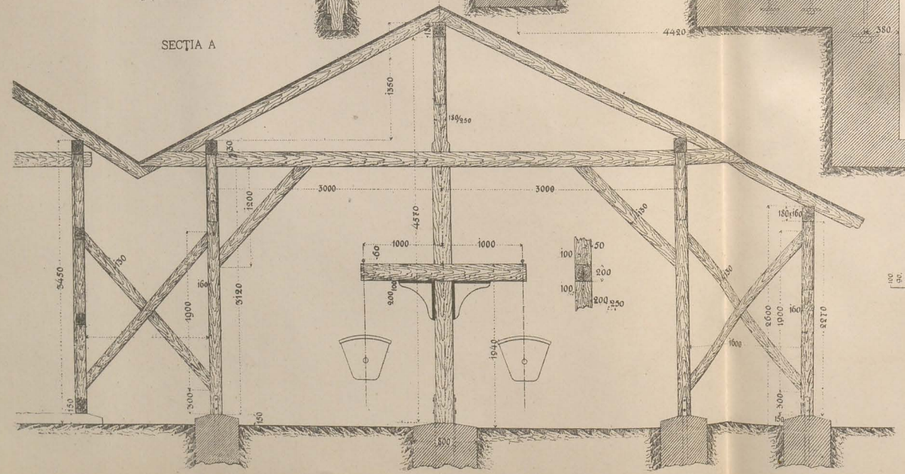
No 6.

STATIUNE DE INCARCARE

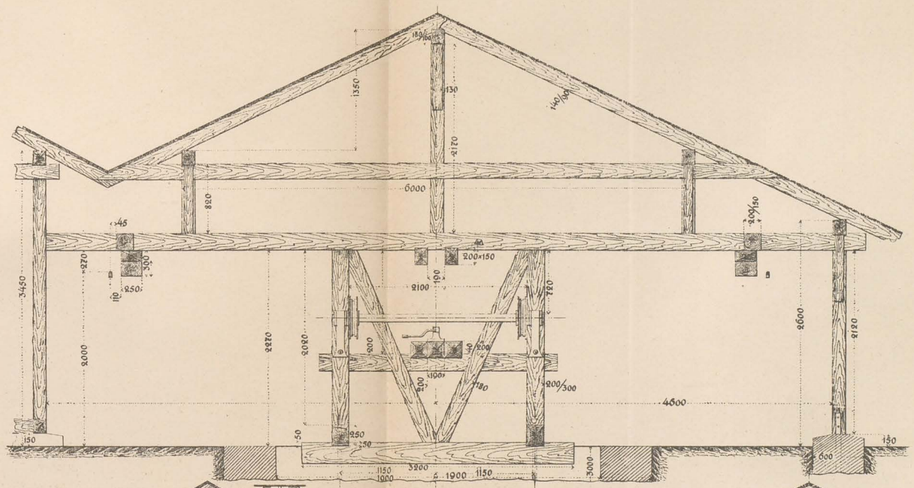
SECTIA LONGITUDINALA A COMPARTIMENTULUI SCRIPETELOR



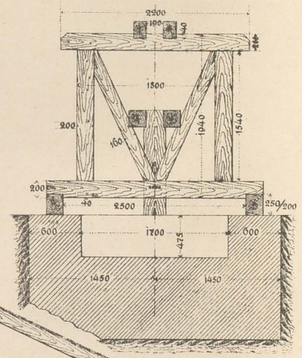
SECTIA A



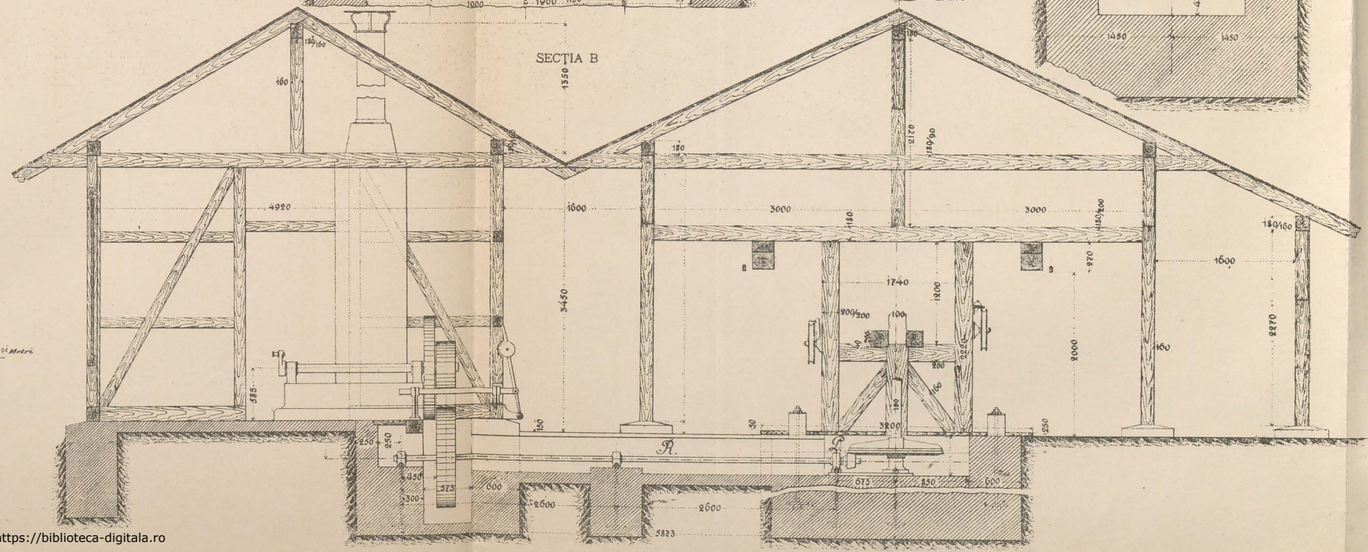
SECTIA C



SECTIA D



SECTIA B



Scara pentru tôte figurile

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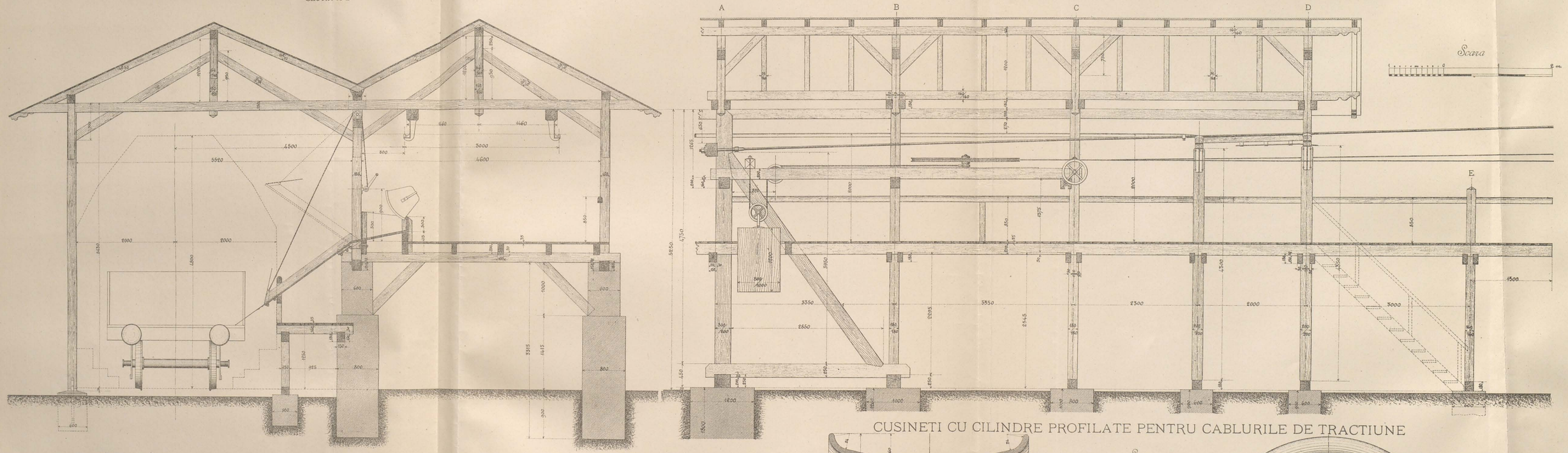
CALEA TELEDINAMICA TIRGU OCNA-SALINE

STATIUNEA DE DISCARCARE

SECTIA A-B

SECTIA IN LUNG PARALELA CU CABLUL



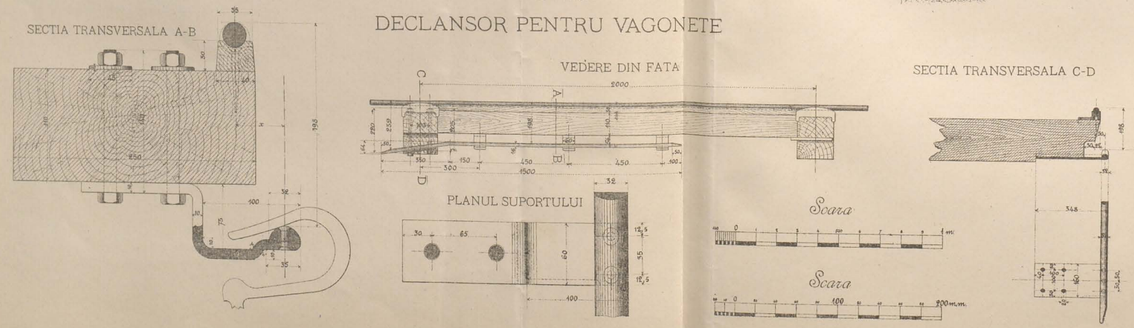
DECLANSOR PENTRU VAGONETE

SECTIA TRANSVERSALA A-B

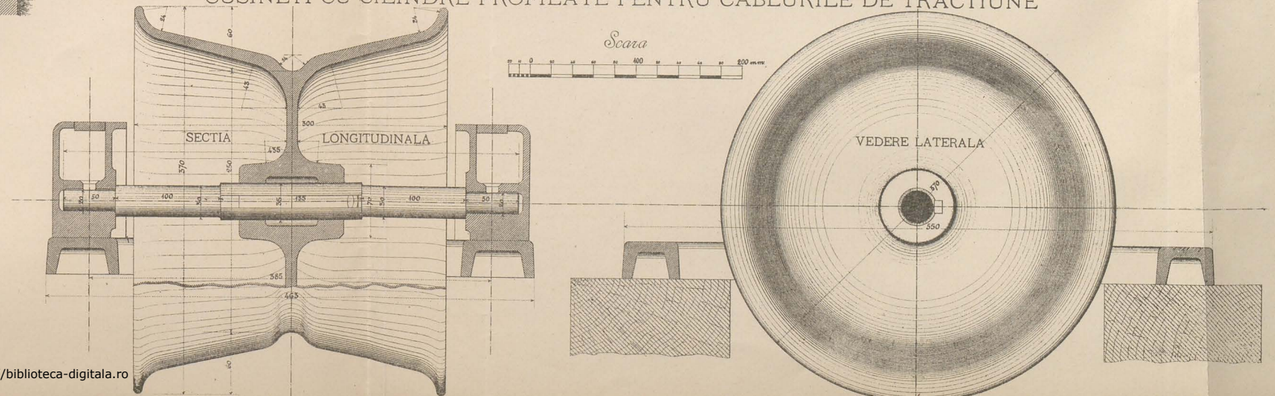
VEDERE DIN FATA

PLANUL SUPORTULUI

SECTIA TRANSVERSALA C-D



CUSINETI CU CILINDRE PROFILATE PENTRU CABLURILE DE TRACTIUNE



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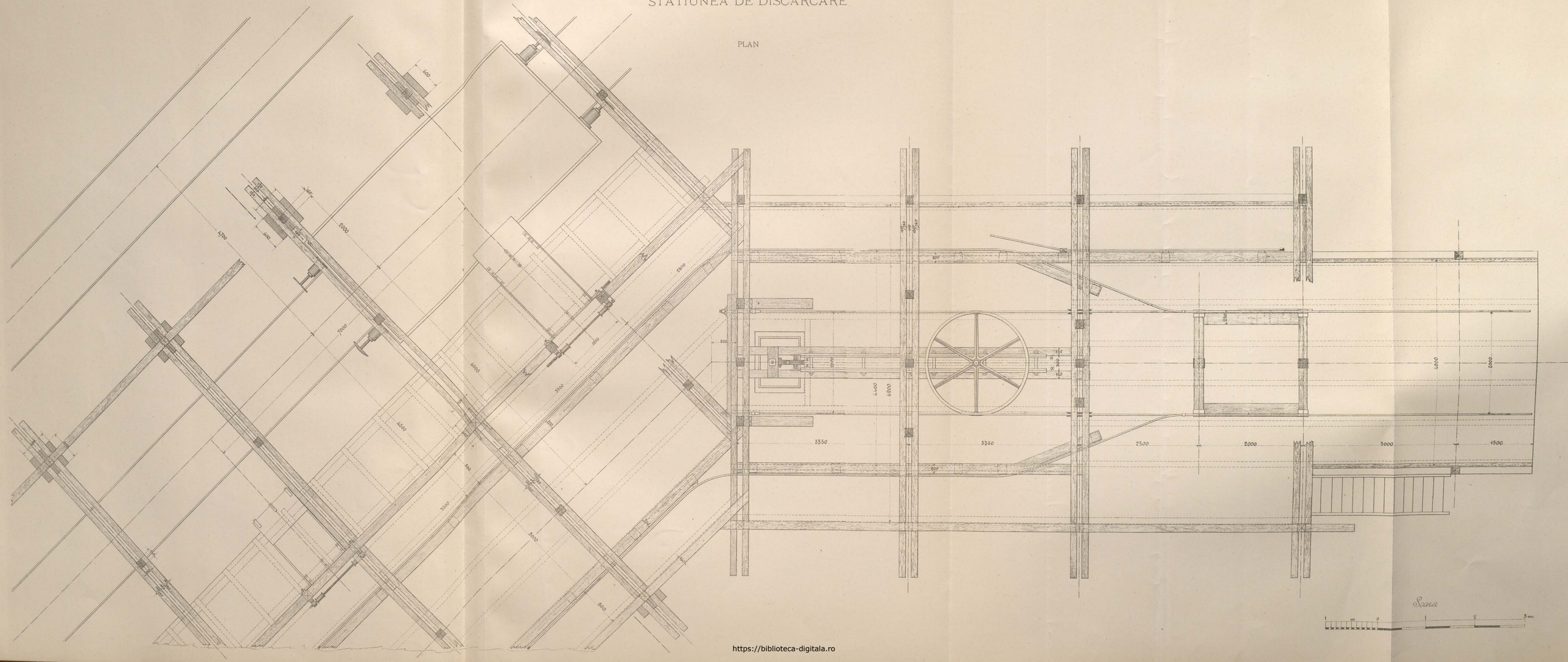
CALEA TELEDINAMICA TIRGU OCNA-SALINE

STATIUNEA DE DISCARCARE

PLAN



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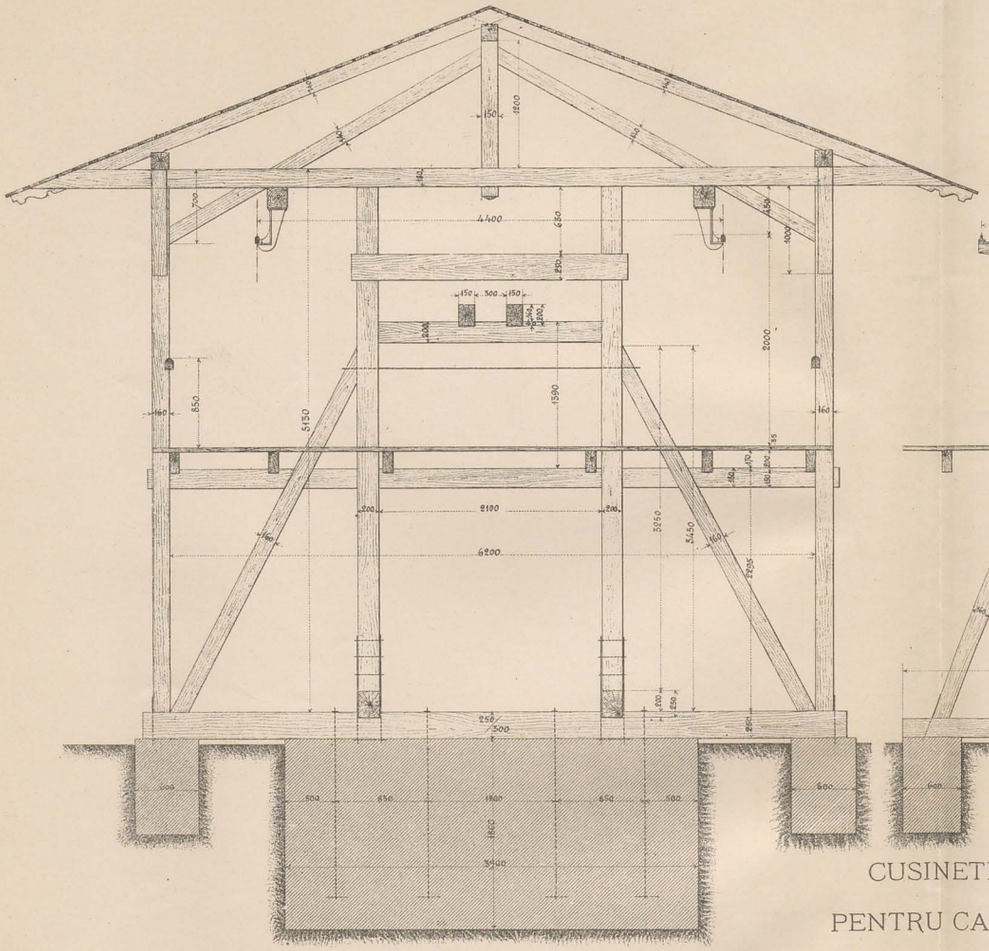
CALEA TELEDINAMICA TIRGU OCNA-SALINE

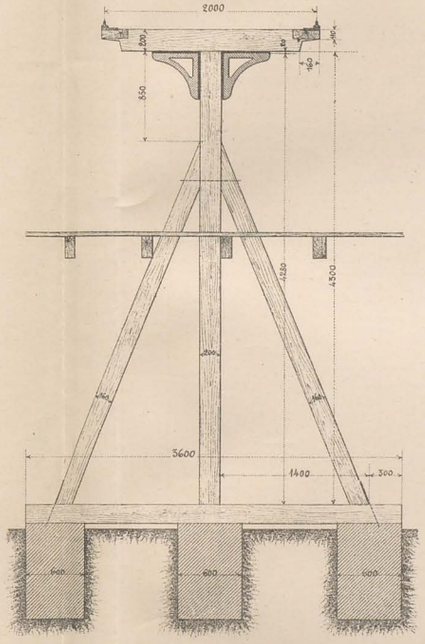
No. 9.

STATIUNEA DE DISCARCARE

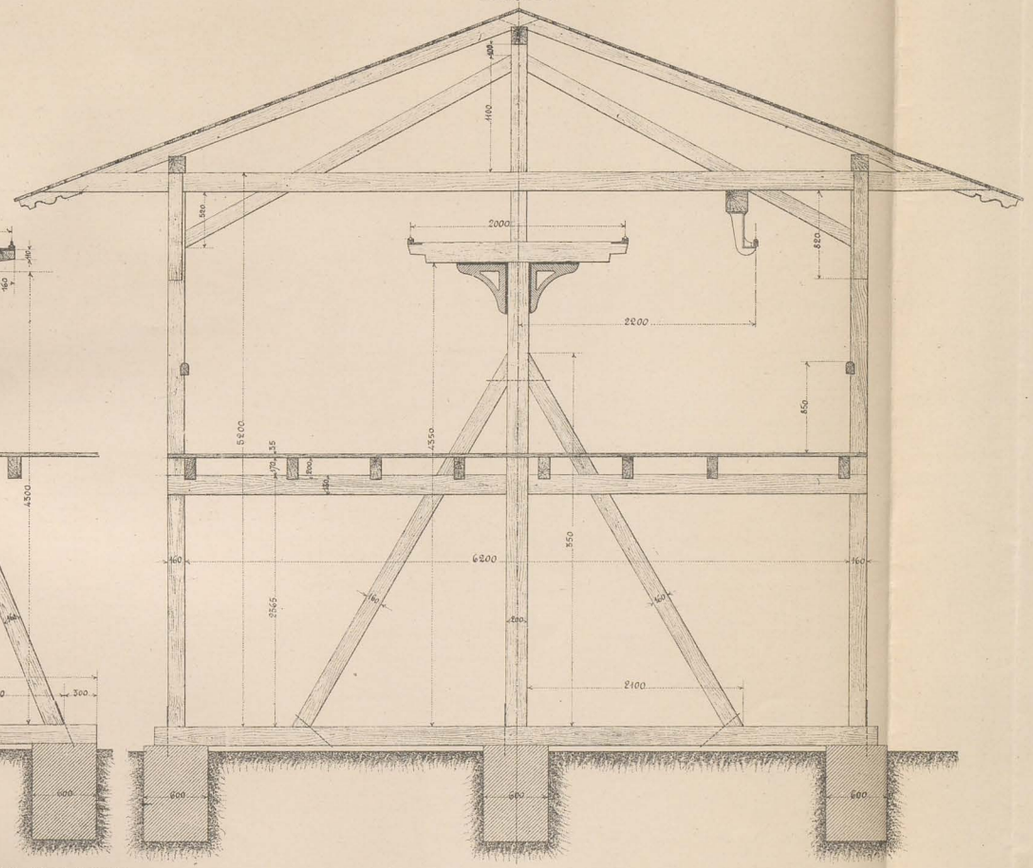
SECŢIA A



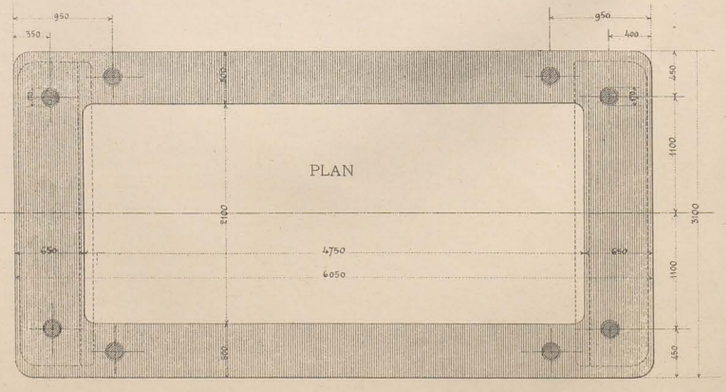
STILP

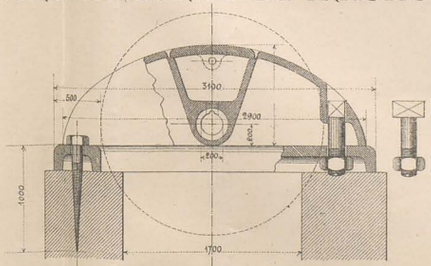


SECŢIA D



CUSINETI CU CILINDRU DE FER PENTRU CABLURILE DE TRACTIUNE





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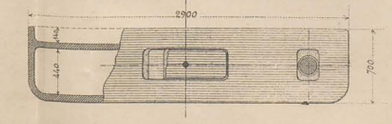

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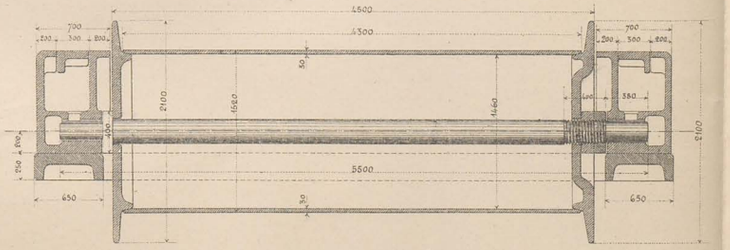


Scara pentru tôte figurile

https://biblioteca-digitala.ro

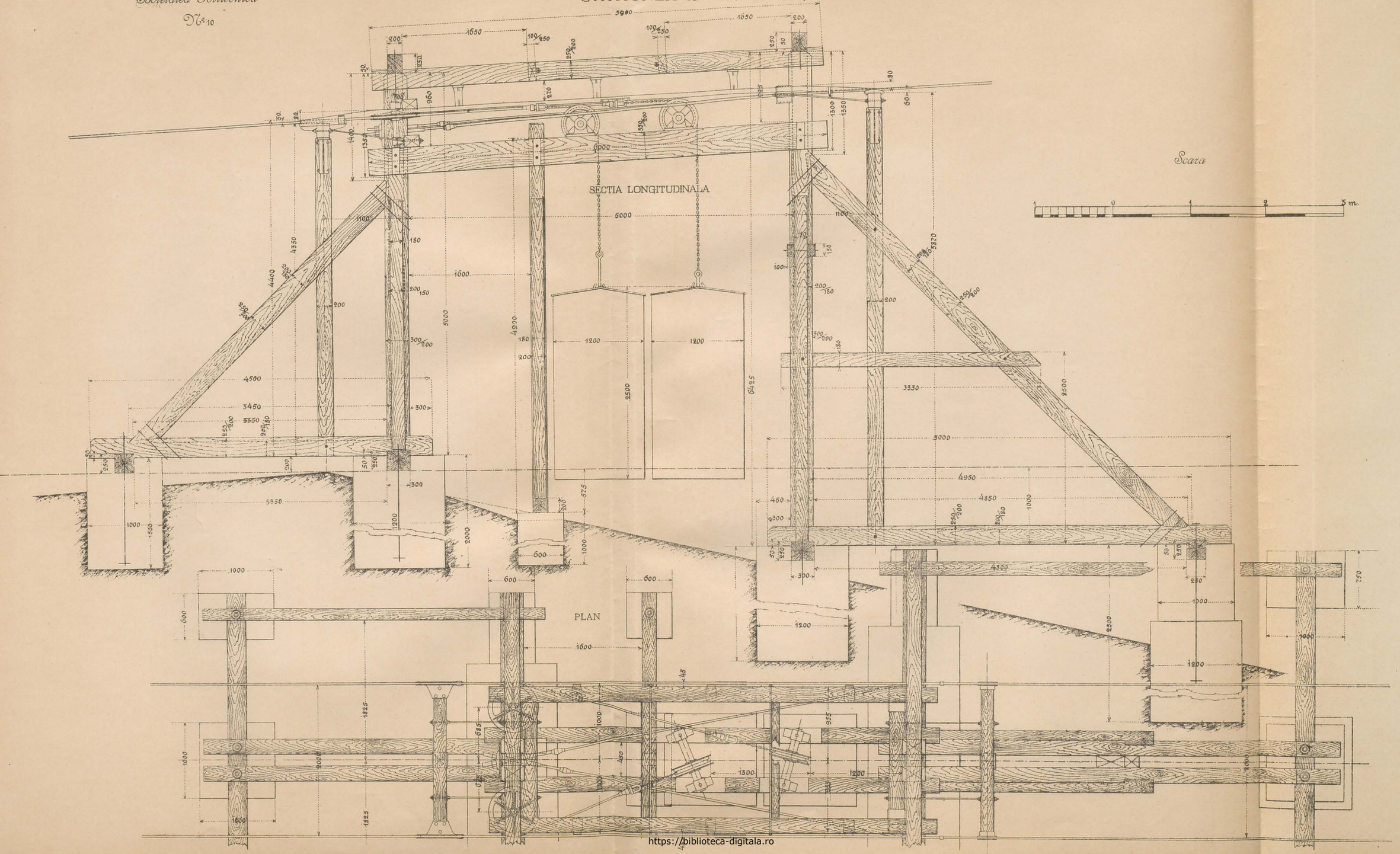
CALEA TELEDINAMICA TIRGU OCNA-SALINE

Societatea Politecnică

No. 10

STATIUNEA INTERMEDIARA

Anul 1889



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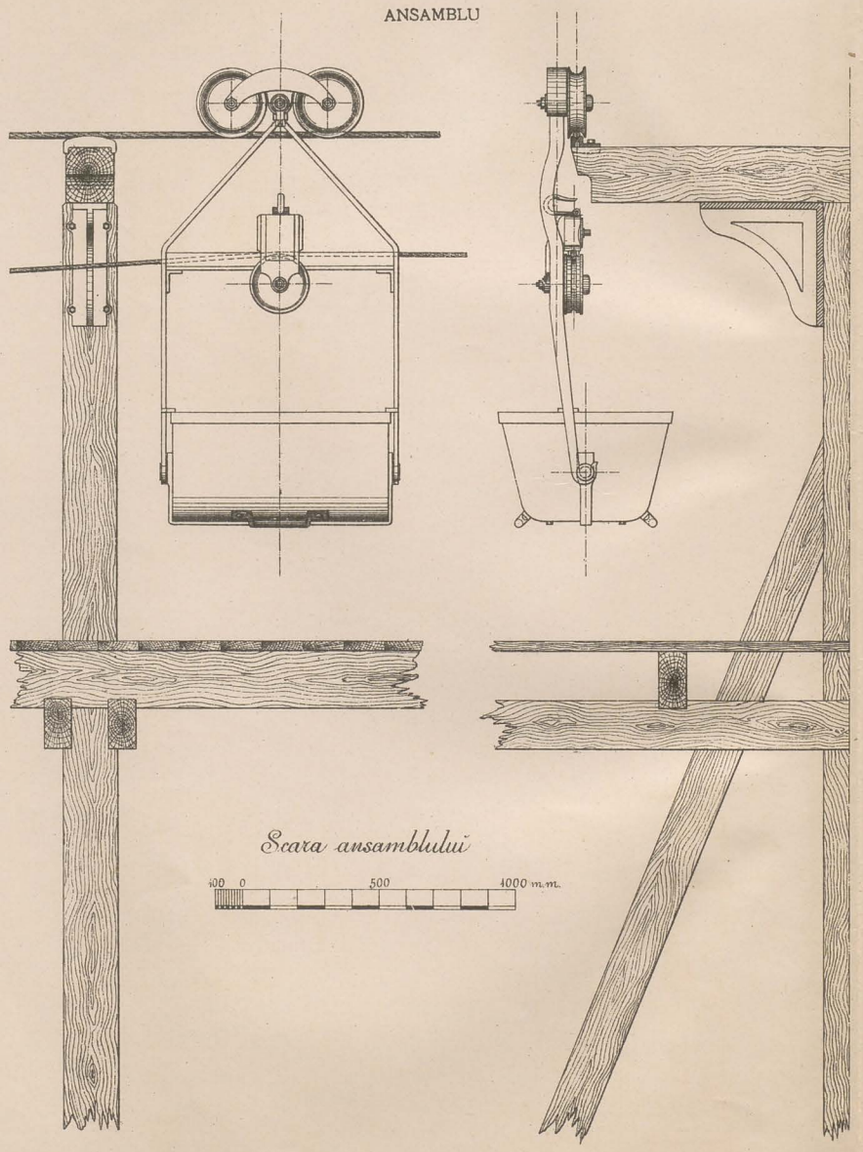
CALEA TELEDINAMICA TIRGU OCNA-SALINE

APARAT DE CUPLARE

ANSAMBLU



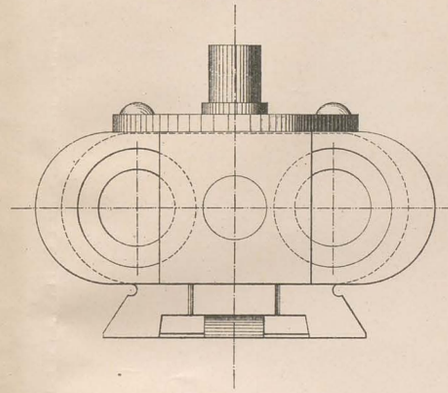
Scara ansamblului

100 0 500 1000 m.m.

Scările detaliurilor

10 0 100 200 m.m. 10 0 50 100 m.m.

VEDERE DE DESUPT



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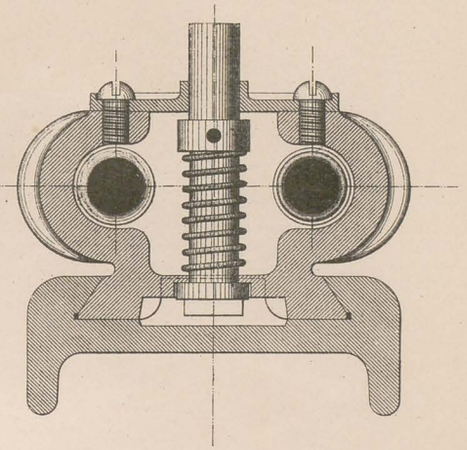
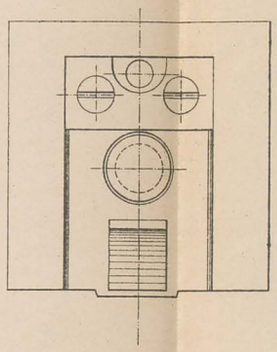
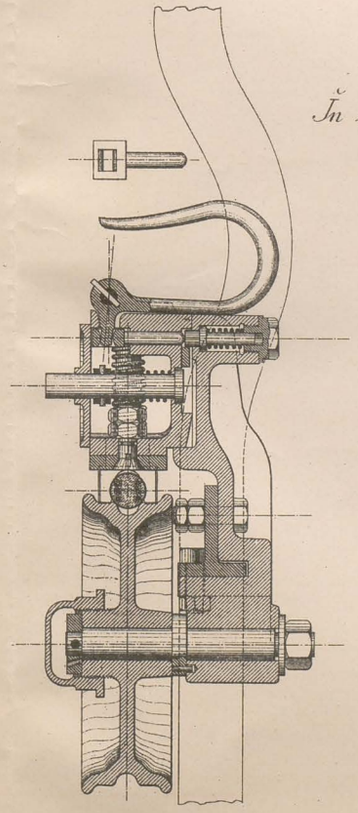


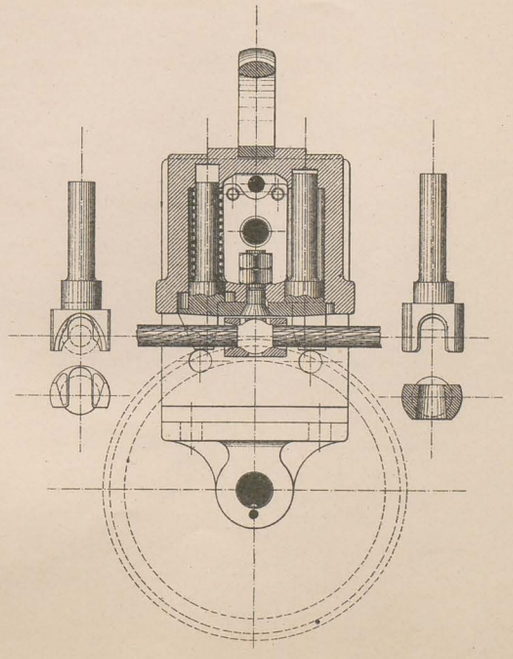
VEDERE DE DINAPOI



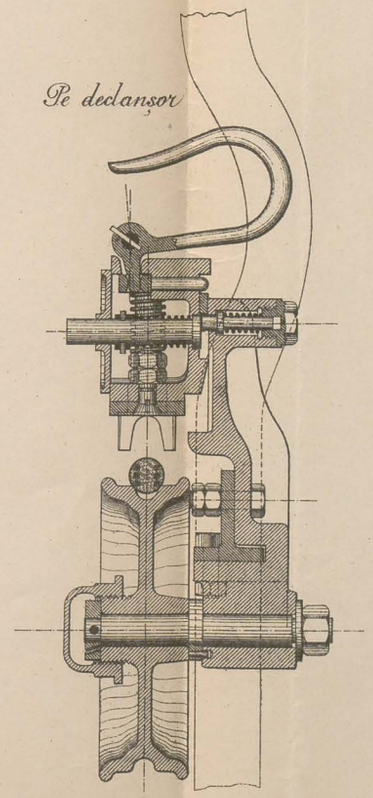
SECȚII VERTICALE

În cursul calei





Pe declanșor



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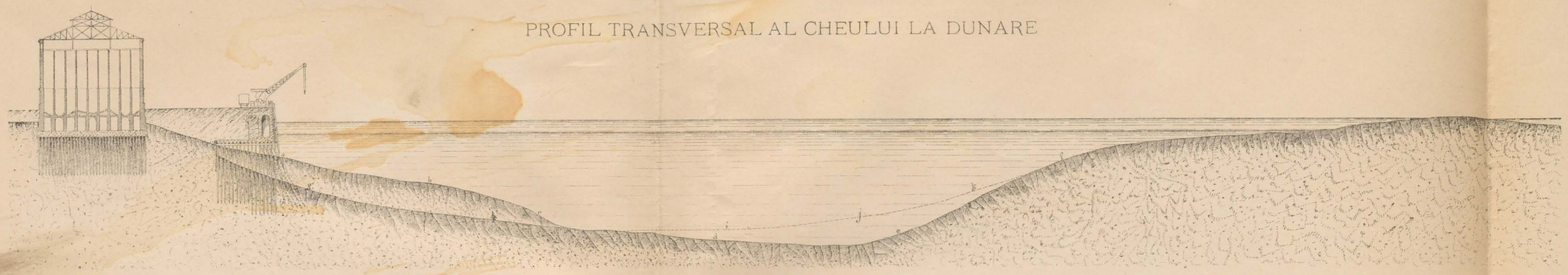
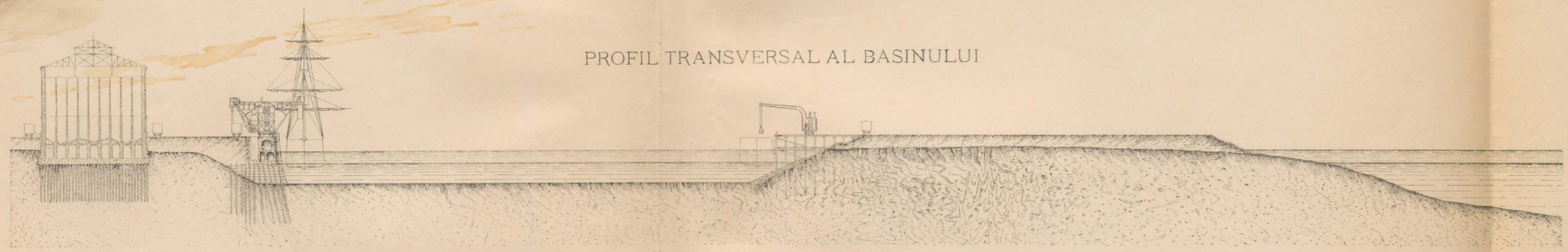
DOCURILE DE LA BRAILA SI GALATZ

PROFIL TRANSVERSAL AL CHEULUI LA DUNARE



PROFIL TRANSVERSAL AL BASINULUI

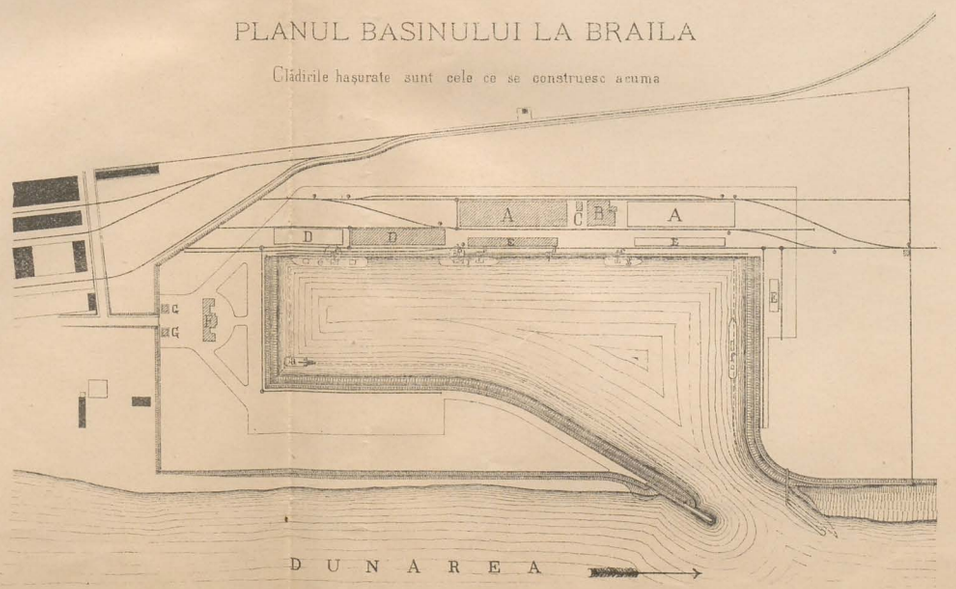


LEGENDA

A. Magasii degrâne.
B. Cladirea de mașini.
C. Biroul.
D. Intreposite de mărfuri.
E. Clădirea administrației.
F. Hangare pentru mărfurile de transit.
G. Corpul de gardă. Portar. Post de pompieri.
a. Macara plutitóre de 40 tone.
b. Macara fixă de 10 tone.
c. Macara mobilă de 1½ tone.
d. Elevatori de 150 tone pe oră.
e. Vasul cel mai mare sosit în portul Brăila.
f. Vase de mărime medie.
g. Vase mici.

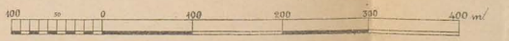
PLANUL BASINULUI LA BRAILA

Clădirile hașurate sunt cele ce se construesc acuma



Scara Profilelor

Scara Planului



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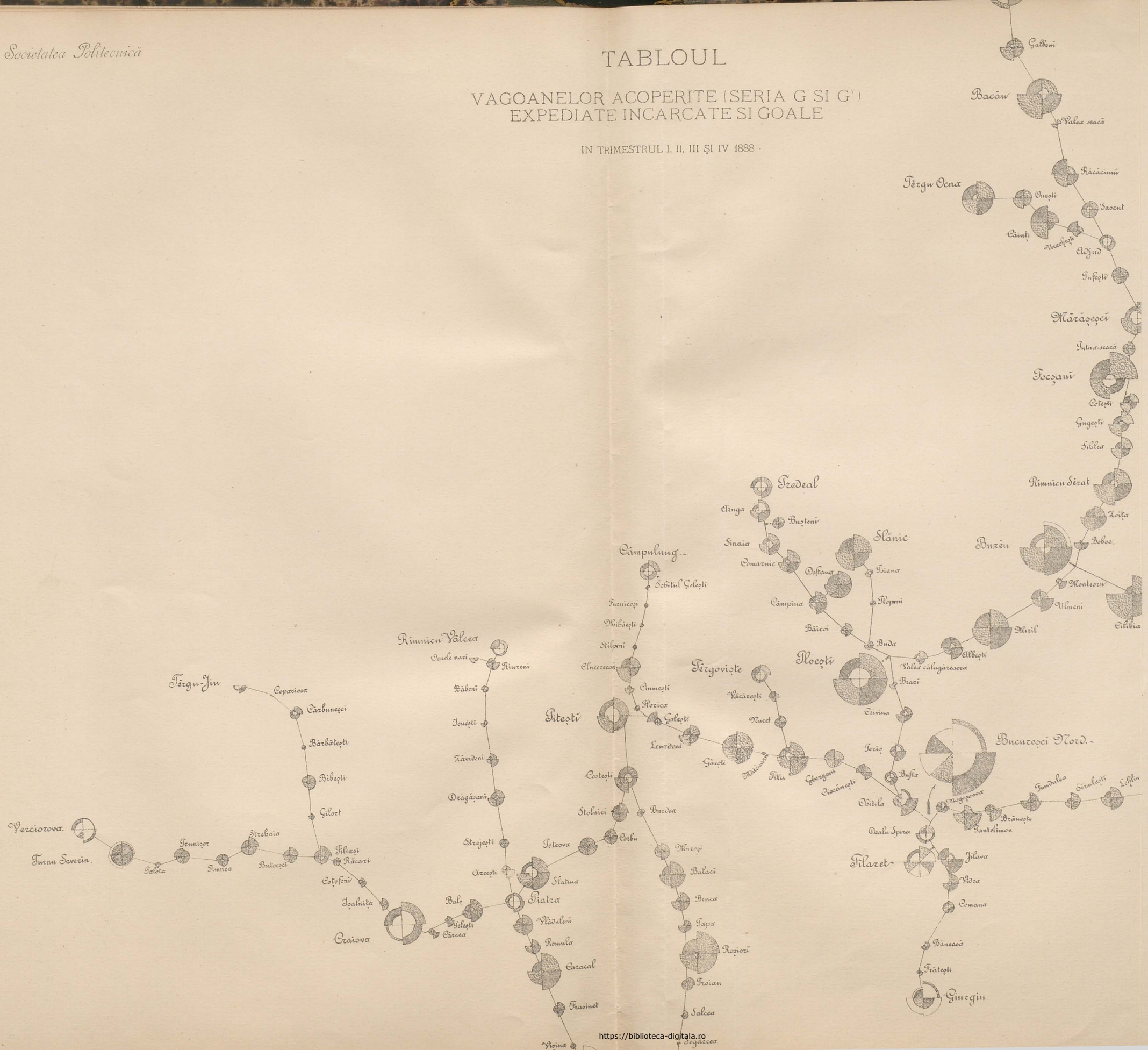
TABLOUL

VAGOANELOR ACOPERITE (SERIA G SI G') EXPEDIATE INCARCATE SI GOALE

IN TRIMESTRUL I. II. III ŞI IV 1888.



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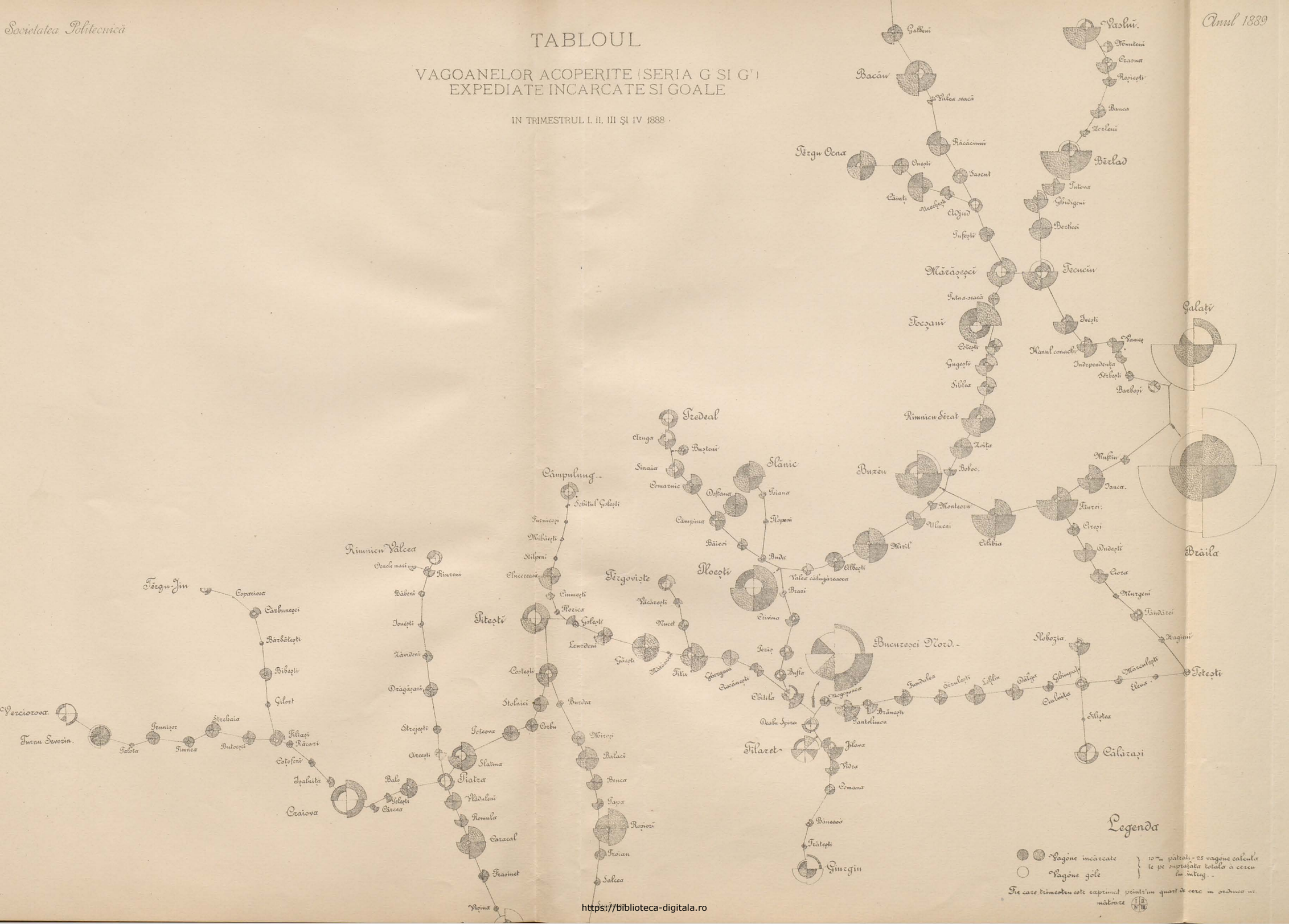
TABLOUL

VAGOANELOR ACOPERITE (SERIA G SI G') EXPEDIATE INCARCATE SI GOALE

IN TRIMESTRUL I. II. III ŞI IV 1888.



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MACARA PLUTITÓRE

DE 40 TONE

Scara

SECTIA TRANSVERSALA

SECTIA TRANSVERSALA

SECTIA LONGITUDINALA

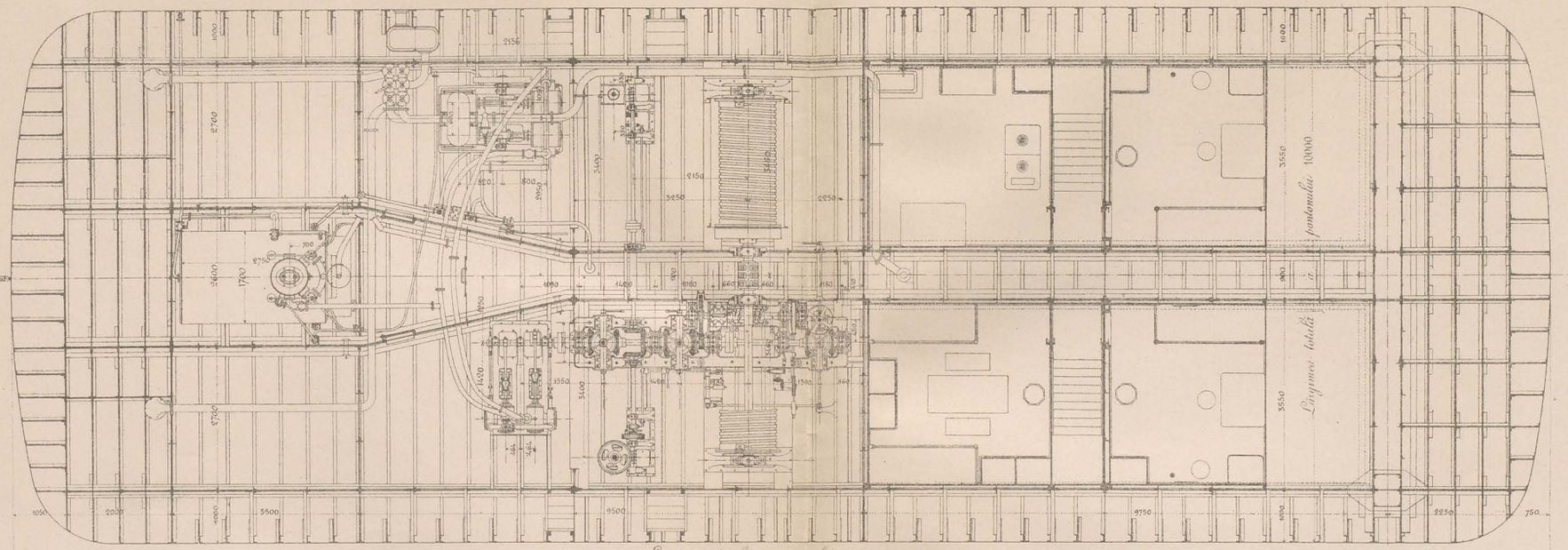
SECTIA TRANSVERSALA

https://biblioteca-digitala.ro

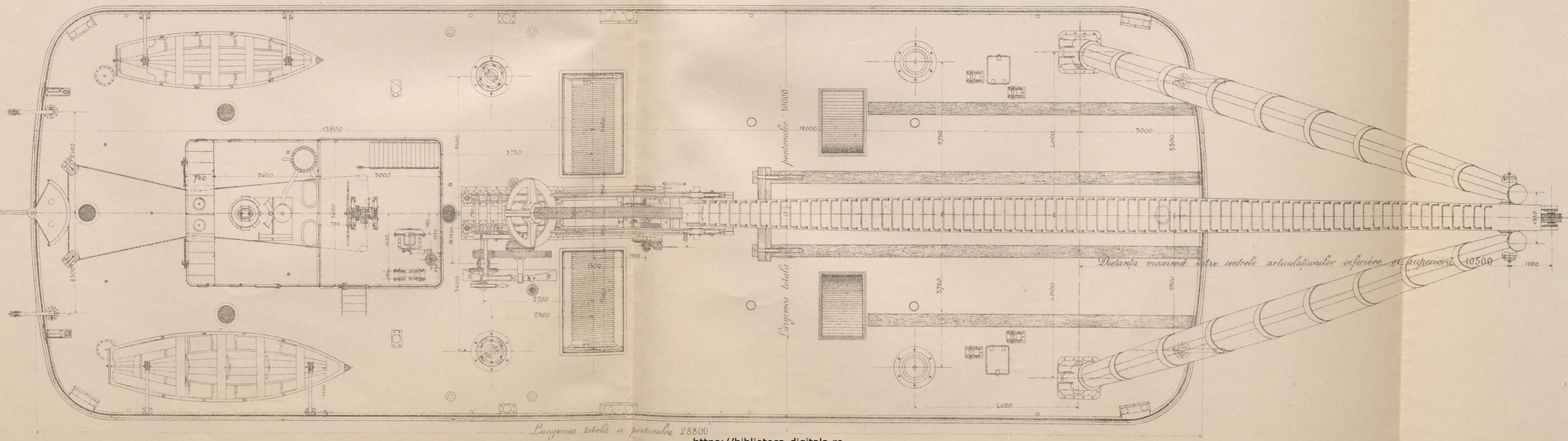
MACARA PLUTITÓRE

DE 40 TONE

SECTIE HORIZONTALA



PLAN



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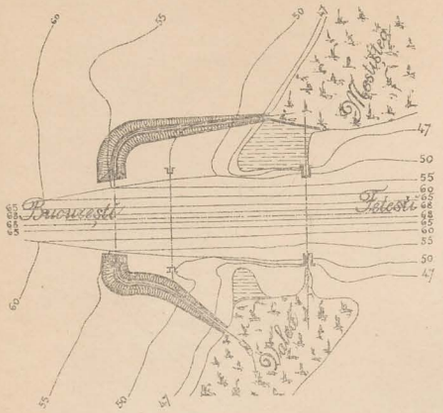
CALEA FERATA BUCURESTI-FETESTI

TUNELUL DIN VALEA MOSTISTEA

PLAN DE SITUATIE



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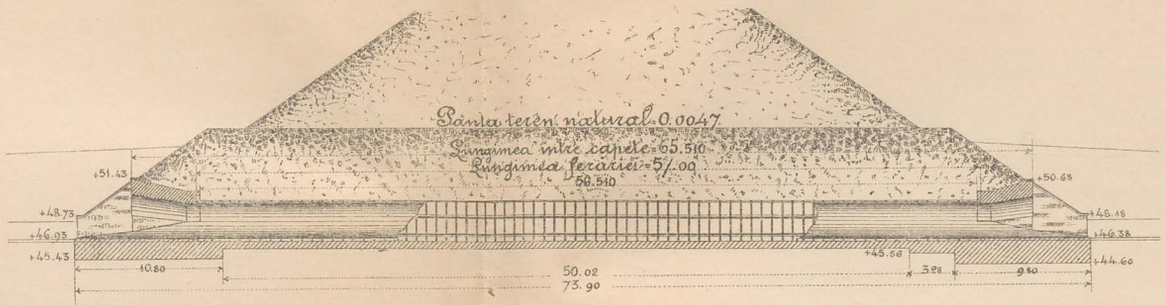
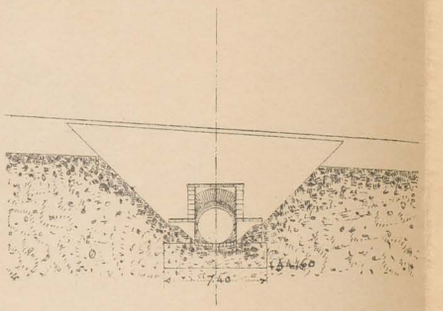
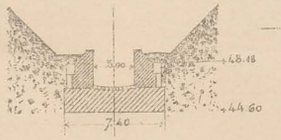


ELEVATIA CAPETULUI SPRE VALE



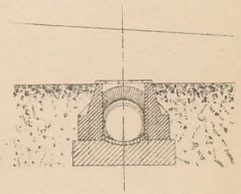
SECTIA A B

SECTIA C D



PLAN

SECTIA G H



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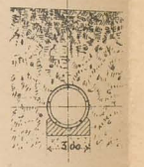

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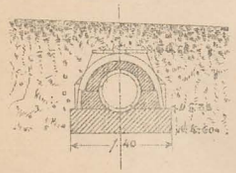
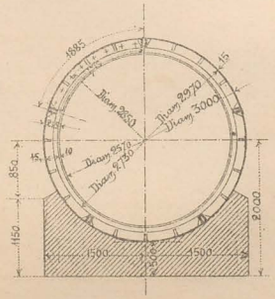
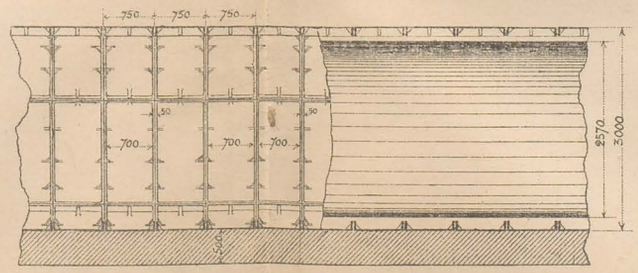
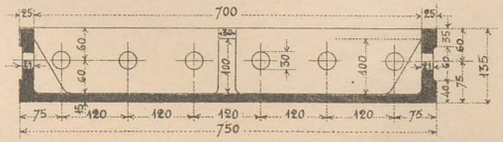


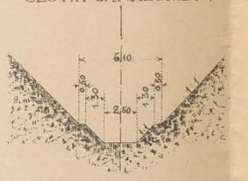
DETALIURILE TUNELULUI





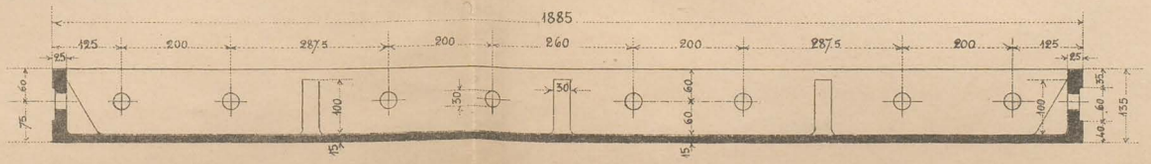


SECTIA CANALURILOR

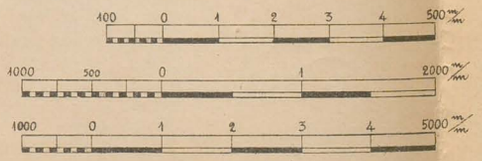


Scara Planului de situaţie

Scara desenurilor



Scarile detaliurilor



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INCERCARI LA TRACTIUNE A TOLELOR DE FER SI OTEL

CURBE REPRESENTAND VARIATIUNI IN RESISTENTA SI LUNGIRE

Fig. 1.

TIP DE INCERCAT

Lungimea între reperele A B = 200 m/m

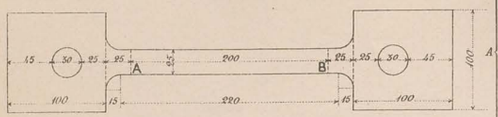


Fig. 2. TOLA DE FER N. 3. — FORGEA X

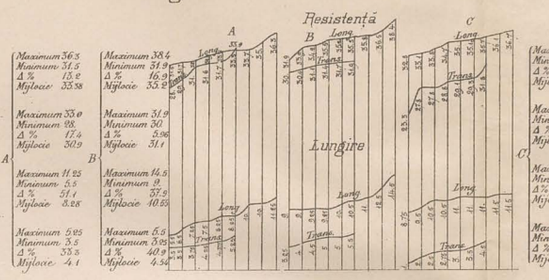


Fig. 3. TOLA DE FER N. 3. — FORGEA X

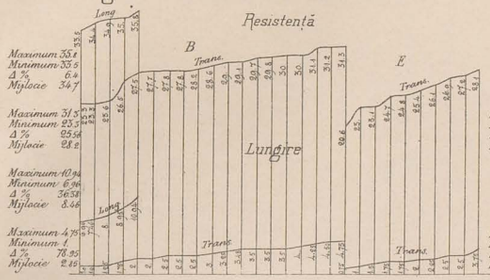


Fig. 4.

TOLA DE FER N. 3. — FORGEA X

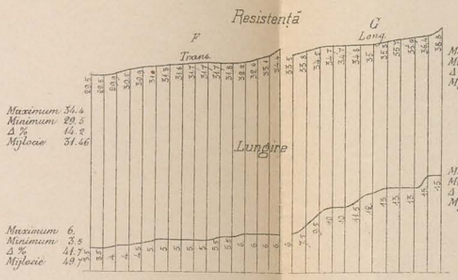


Fig. 5.

TOLA DE FER N. 5. — FORGEA X

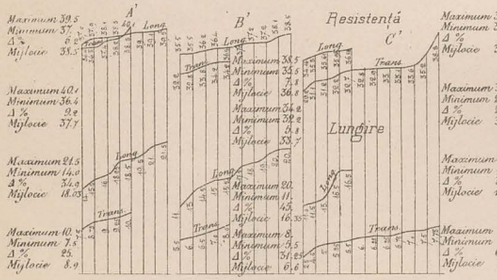
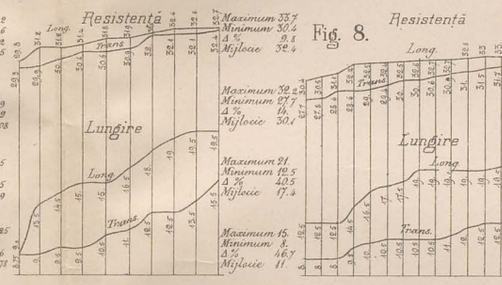


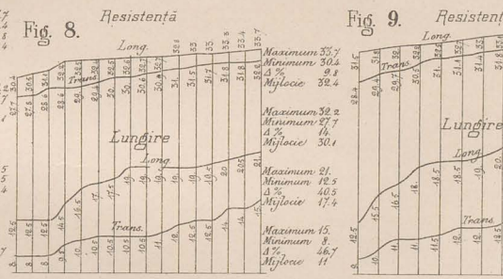
Fig. 6. TOLA DE FER N. 5. — FORGEA X

Fig. 7. TOLA DE FER N. 6. — FORGEA Y



TOLA DE FER N. 6. — FORGEA Y

Fig. 8.



TOLA DE FER N. 7. — FORGEA Y

Fig. 9.

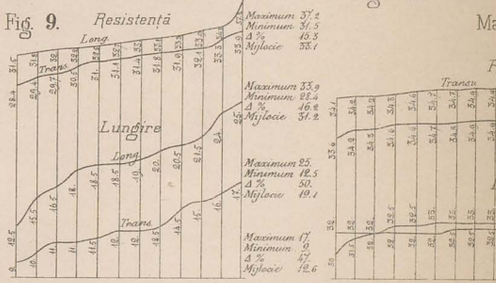


Fig. 10. TOLA DE OTEL DE DENAIN

Marca $\frac{\text{DENAIN}}{\text{F. D.}}$

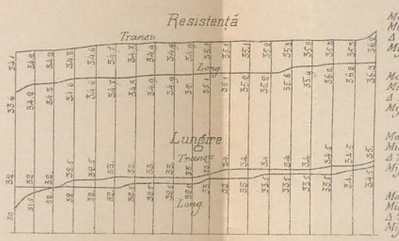


Fig. 11. TOLA DE OTEL DE DENAIN

Marca $\frac{\text{DENAIN}}{\text{F. D.}}$

Fig. 12. TOLA DE OTEL DE DENAIN

Marca $\frac{\text{DENAIN}}{\text{F. D.}}$

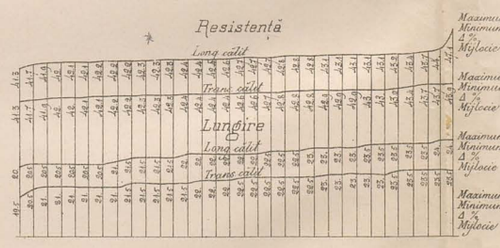
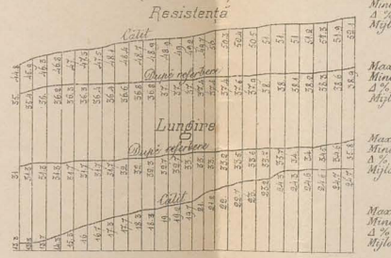


Fig. 13. TOLE DE OTEL DE 7 SI 8 m/m GROSIME

Marca **AS** Creusot, provenite din turnături diferite.

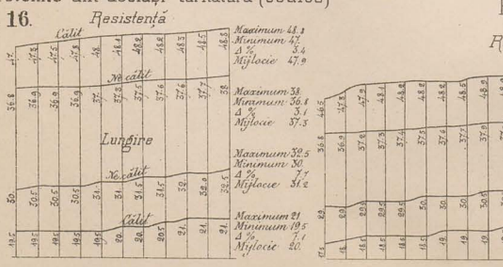
Fig. 14. TOLE DE OTEL (Lotul 1^in) Marca **AS** Creusot, provenite din turnături diferite

TOLE DE OTEL (Lotul al 2^lea). Fig. 15.



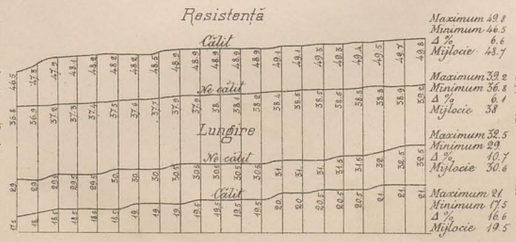
DIFERITE TOLE DE 8 m/m GROSIME, Marca **AS** Creusot, provenite din aceiaşi turnătura (coulée)

Fig. 16.



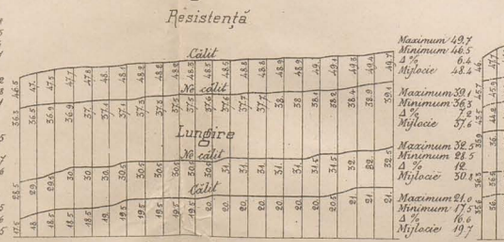
TOLE DE OTEL DE 7 m/m GROSIME Marca **AS** Creusot, provenite din turnături diferite

Fig. 17.



TOLE DE OTEL DE 8 m/m GROSIME

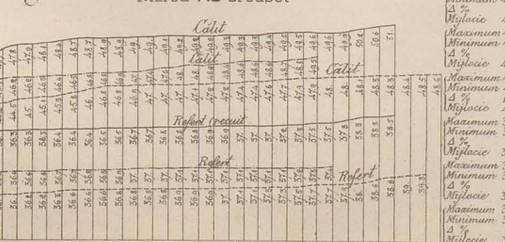
Fig. 18.



TOLA DE OTEL DE 18 m/m GROSIME

Marca **AS** Creusot

Fig. 19.



Legenda

Lotul 1 ———

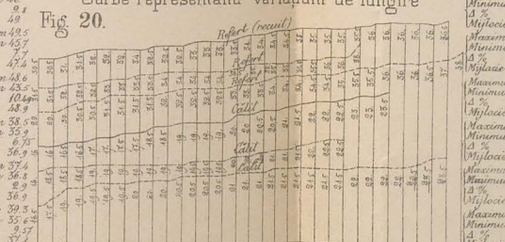
Lotul 2 ———

Lotul 3 - - - - -

TOLA DE OTEL DE 18 m/m GROSIME, Marca **AS** Creusot,

Curbe representând variaţiuni de lungire

Fig. 20.



Legenda

Lotul 1 ———

Lotul 2 ———

Lotul 3 - - - - -

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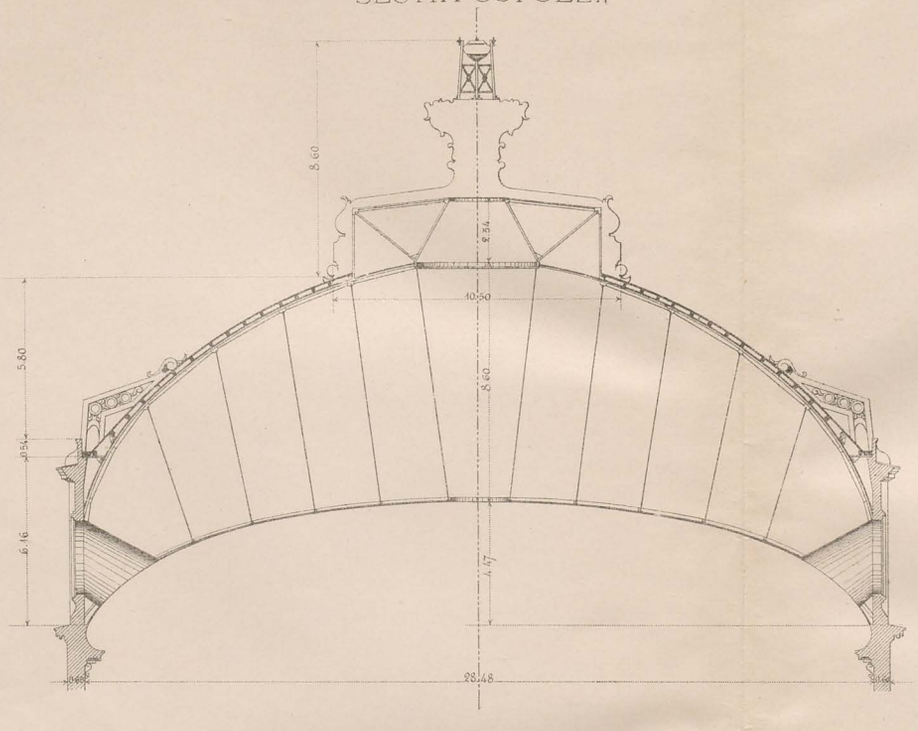
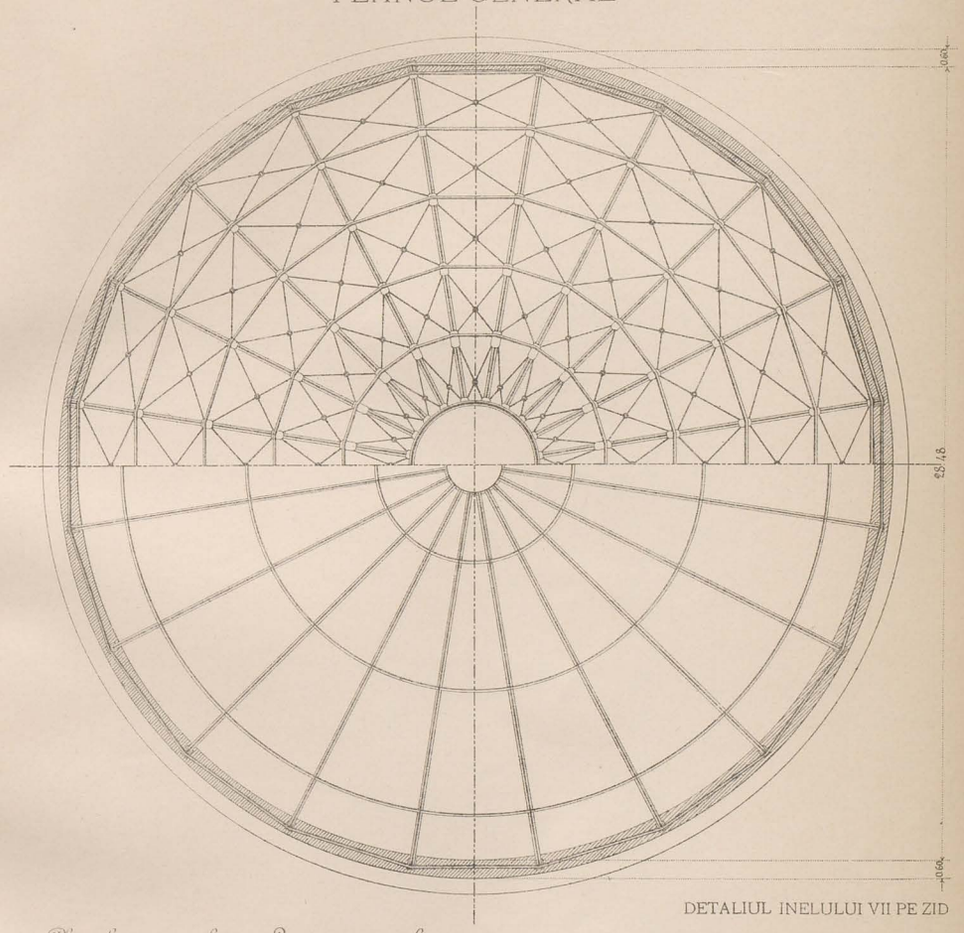
N° 2

ATHENEUL ROMAN

SECTIA CUPOLEI.

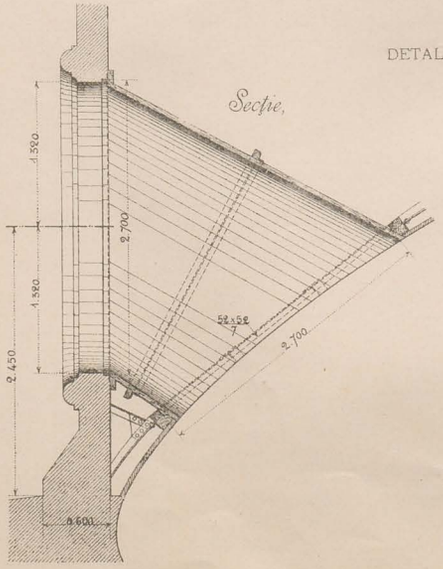


PLANUL GENERAL

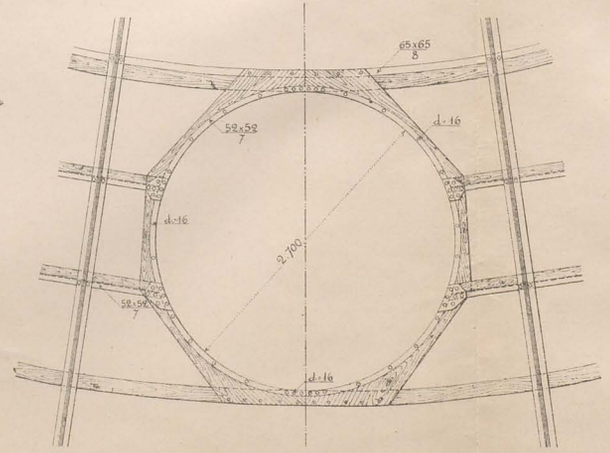


DETALIUL FERESTRELOR.

Sectie,

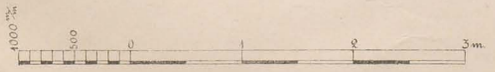


Elevatie,



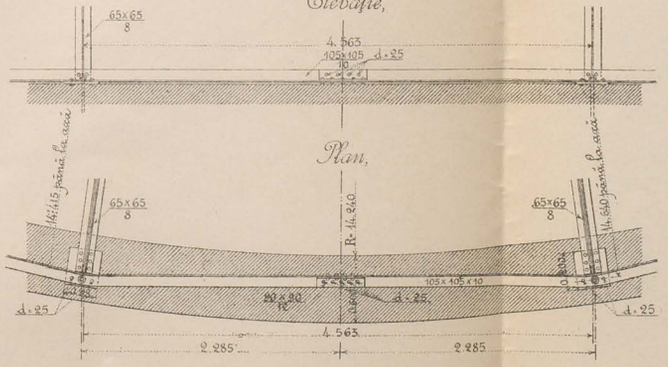
Scara Planului general și a Secțiunei cupolei.

Scara detaliurilor



DETALIUL INELULUI VII PE ZID

Elevatie,



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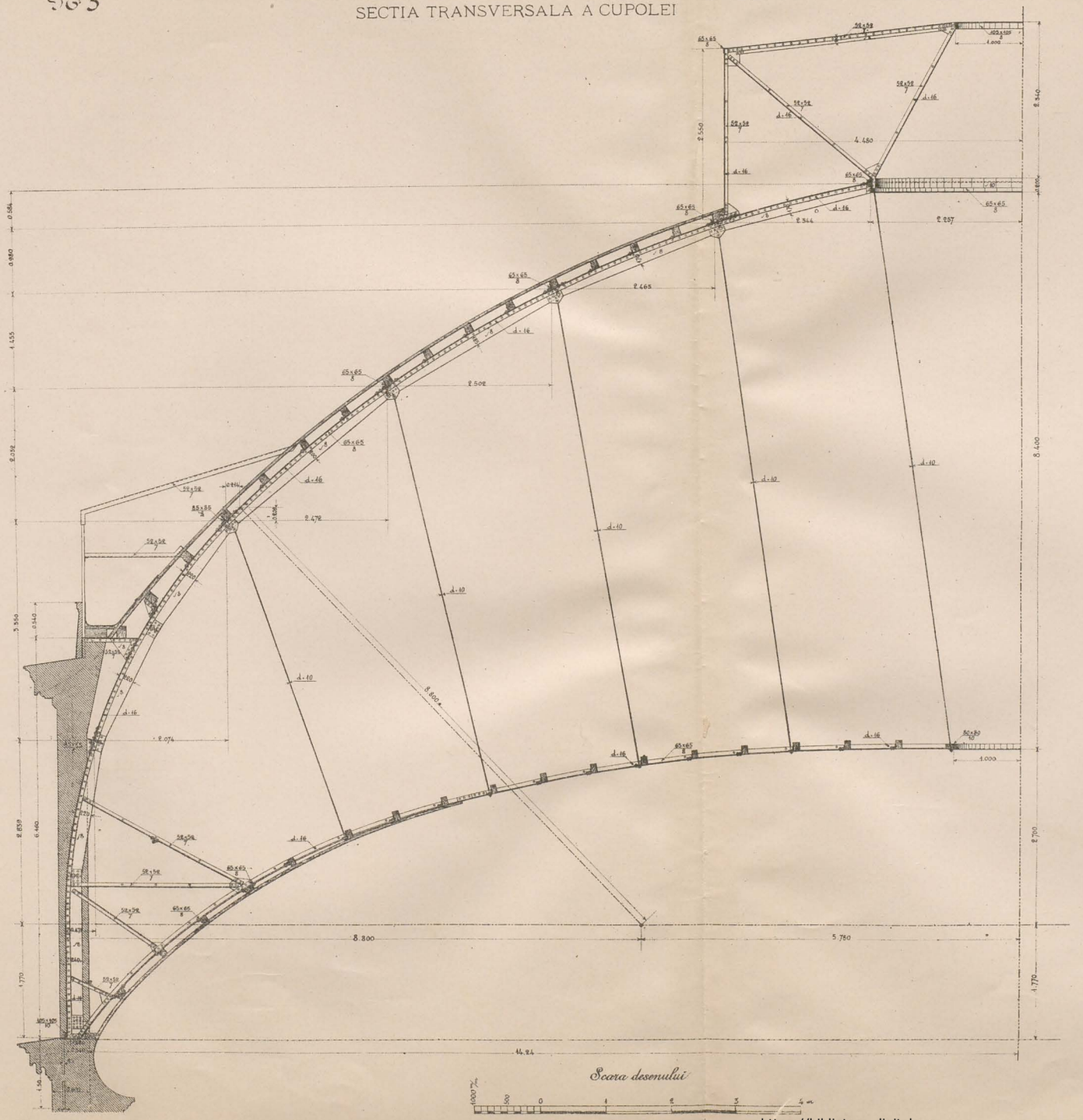
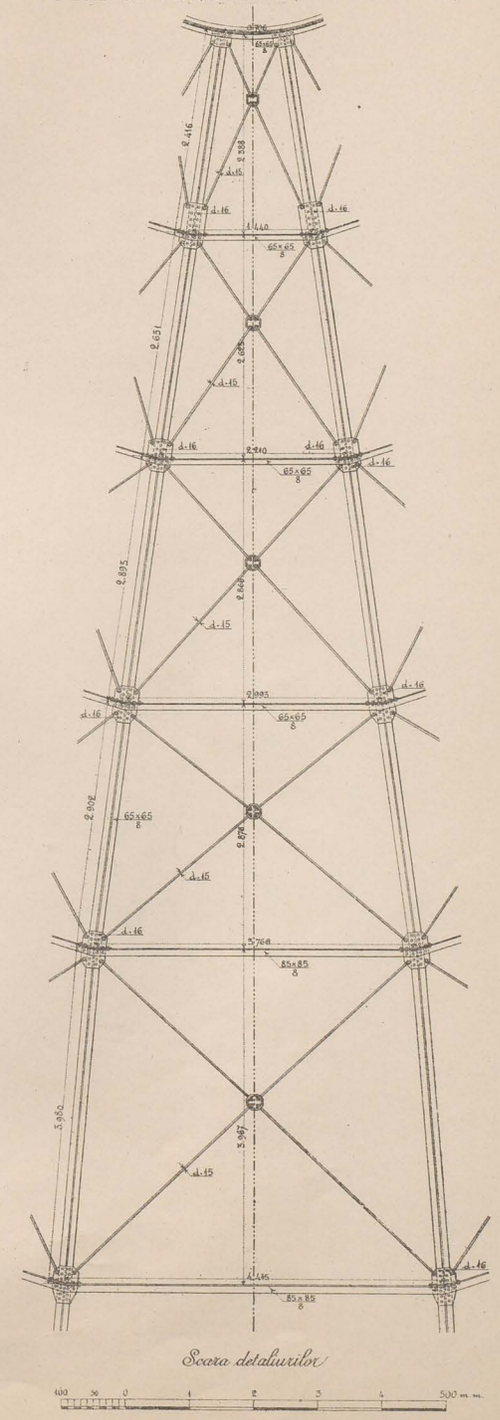
№ 3

ATHENEUL ROMAN

SECTIA TRANSVERSALA A CUPOLEI

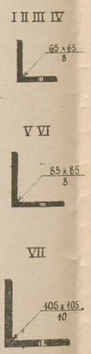


PLANUL FERMELOR (DEVELOPATE)



SECŢIUNILE FERMELOR

SECŢIUNILE INELELOR.



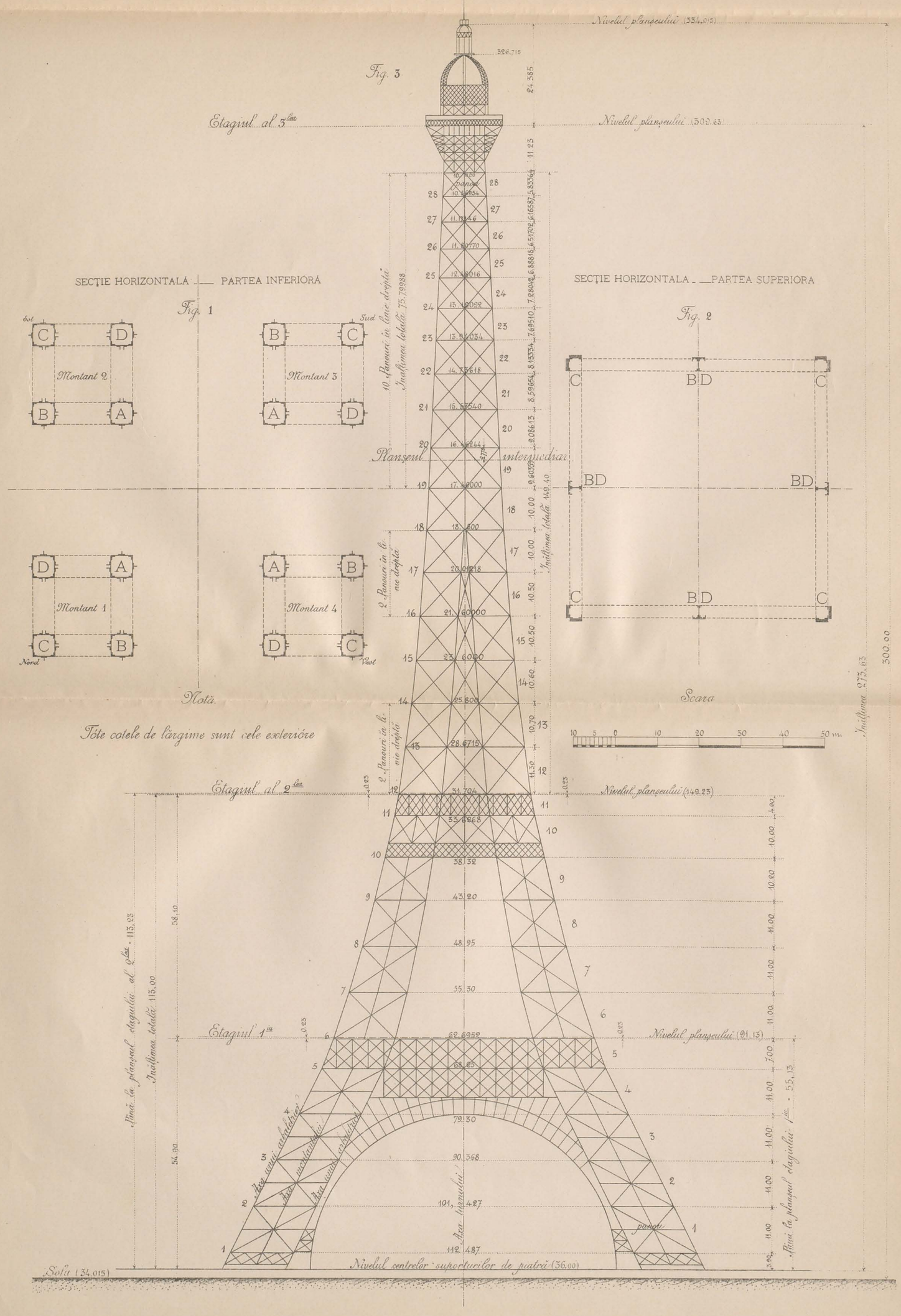
SECŢIA DIAGONALELOR

https://biblioteca-digitala.ro

TURNUL DE 300 METRI

DIAGRAMA

ELEVAȚIE



Notă.

Tôte cotele de lărgime sunt cele exterióre

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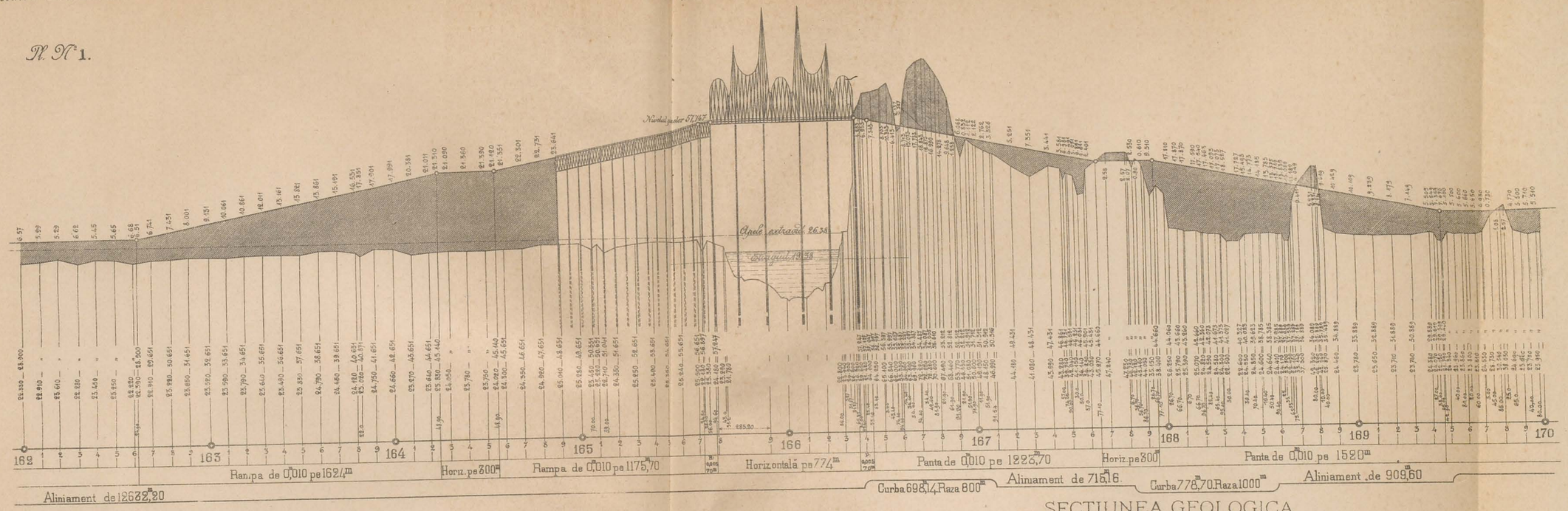
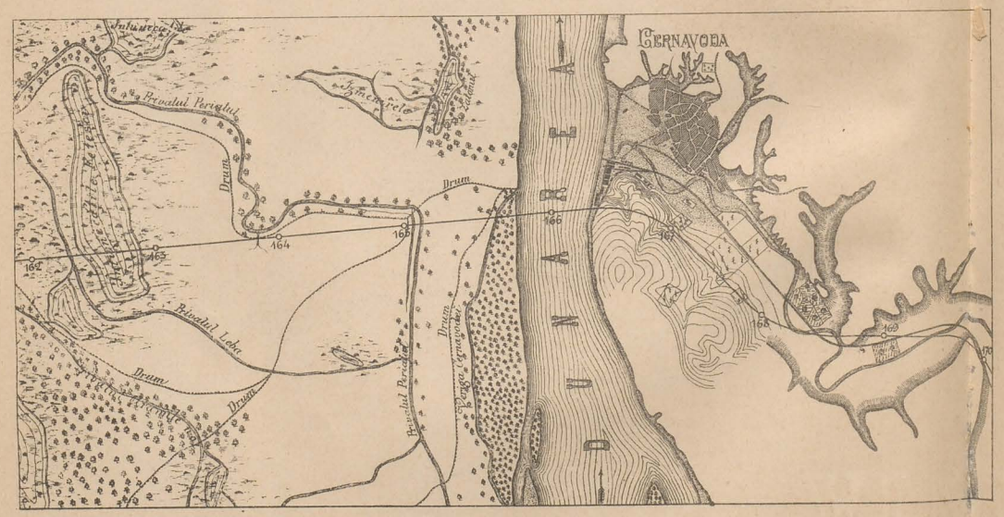
N. N° 1.

PROFIL LONGITUDINAL



PLAN DE SITUATIE



Scara Planului de situaţie

1000 500 0 1000 2000 3000 m.

Scările Profilului longitudinal

Pentru lungimi

100 0 500 1000 1500 2000 m.

Pentru înălţimi

Scările Secţiunei geologice

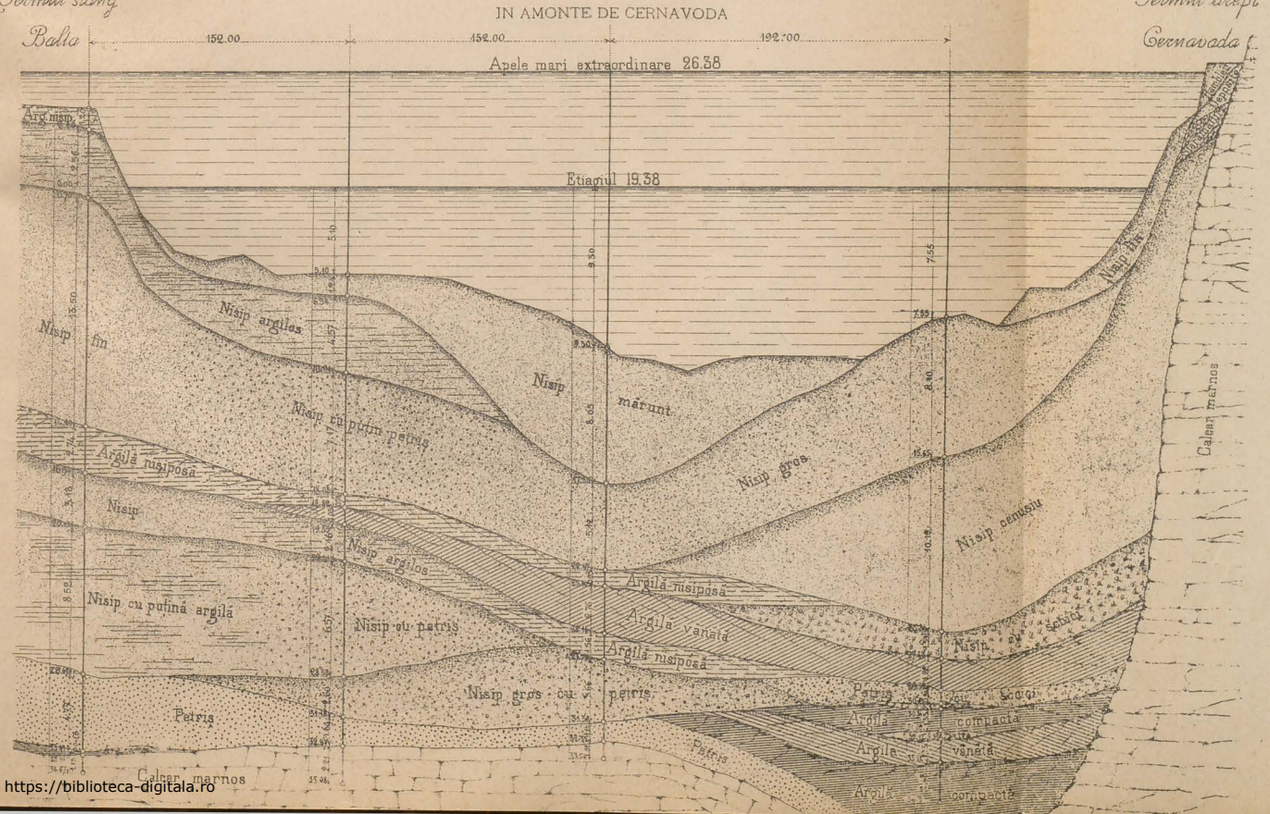
Pentru lungimi

10 0 50 100 150 200 m.

Pentru înălţimi

SECTIUNEA GEOLOGICA

IN AMONTE DE CERNAVODA



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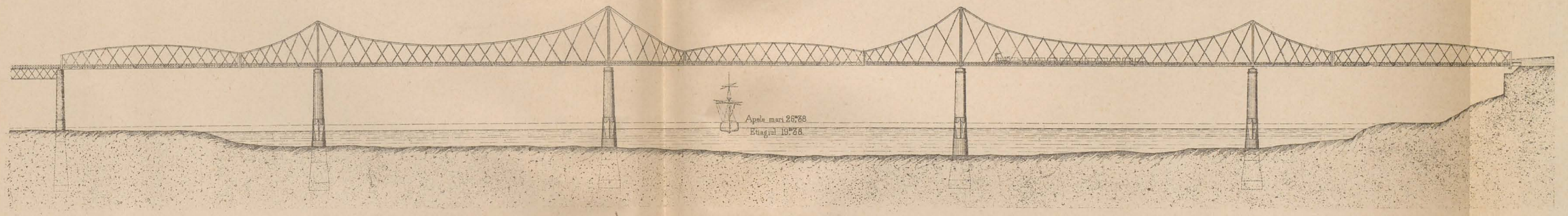
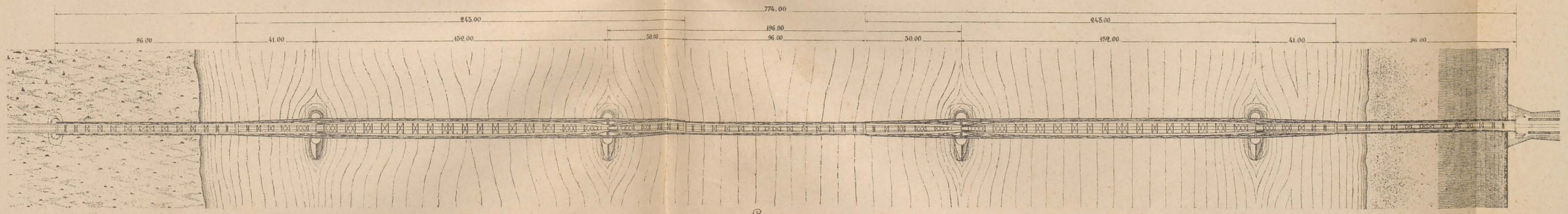
POD PESTE DUNARE LA CERNAVODA

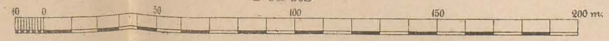
ELEVATIE



PLAN



Scara



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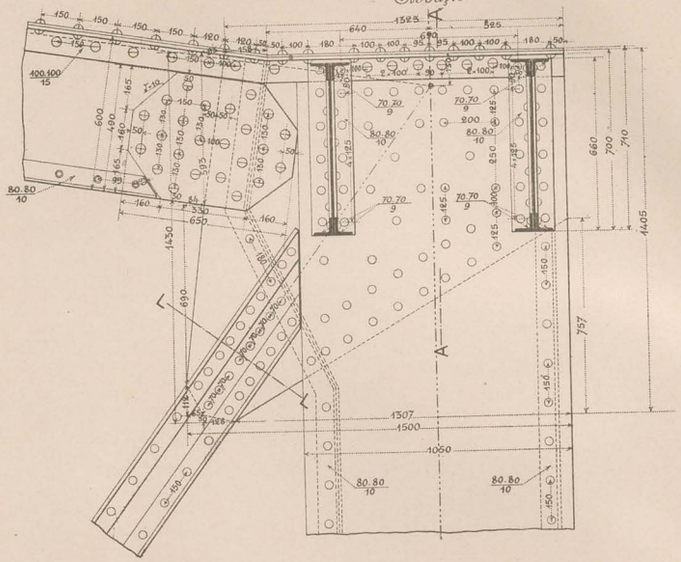
POD PESTE DUNARE LA CERNAVODA

DETALII DE IMBINARI

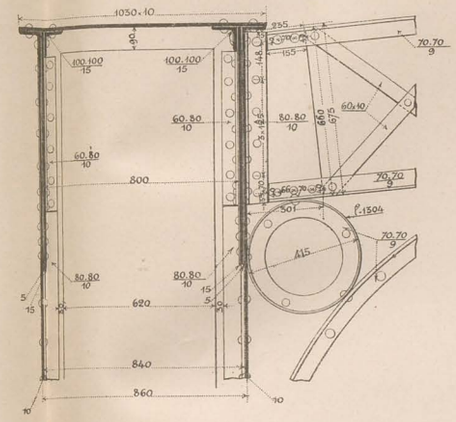
N. N° 3

NODURILE N° 30

Elevatie

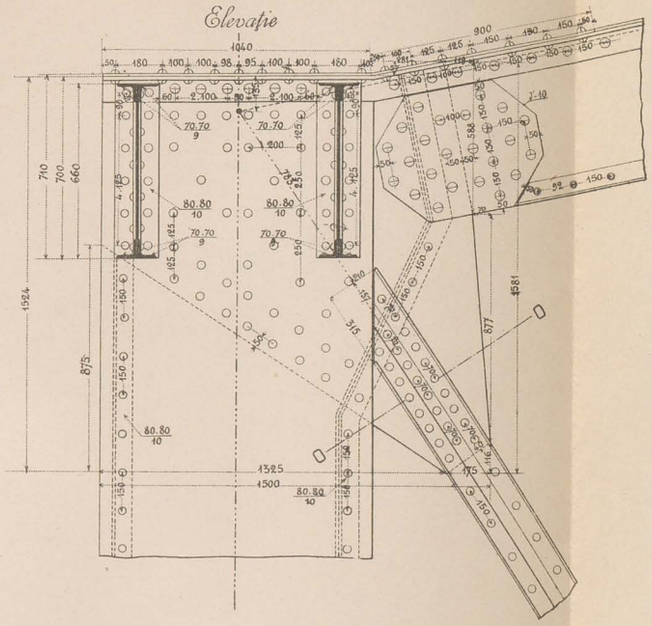


Sectiunea AA

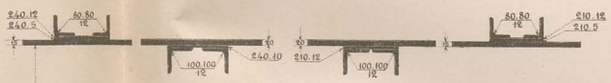


NODURILE N° 1

Elevatie



Sectiunea LL Sectiunea MM Sectiunea NN Sectiunea OO

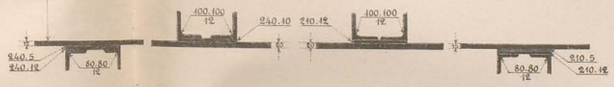


Legenda

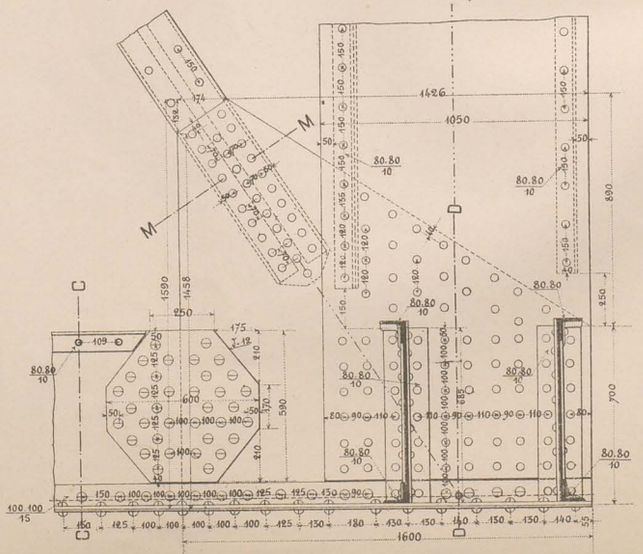
- Nituri de 18 m/m
- Nituri de 20 m/m
- Nituri de 25 m/m

Scara

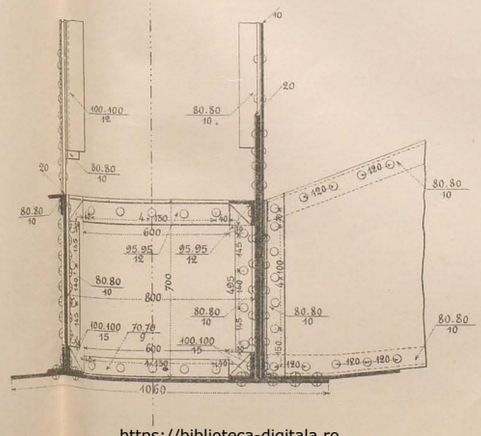
100 0 500 1000 1500 m. m.



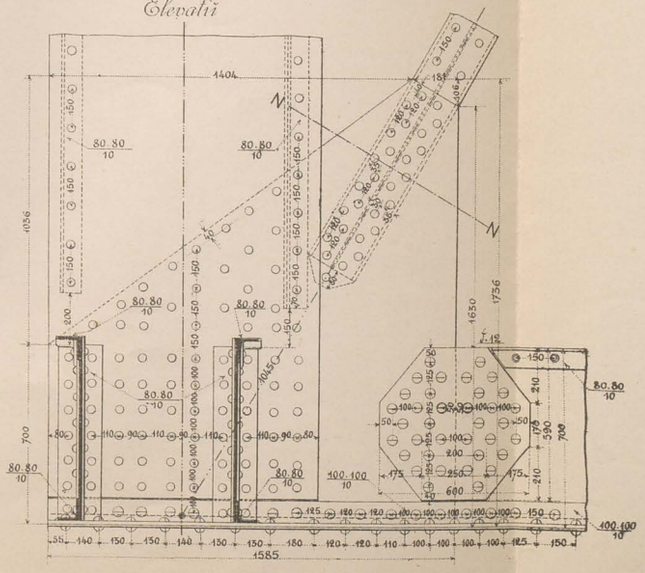
Elevatii



Sectiunea CC Sectiunea DD



Elevatii



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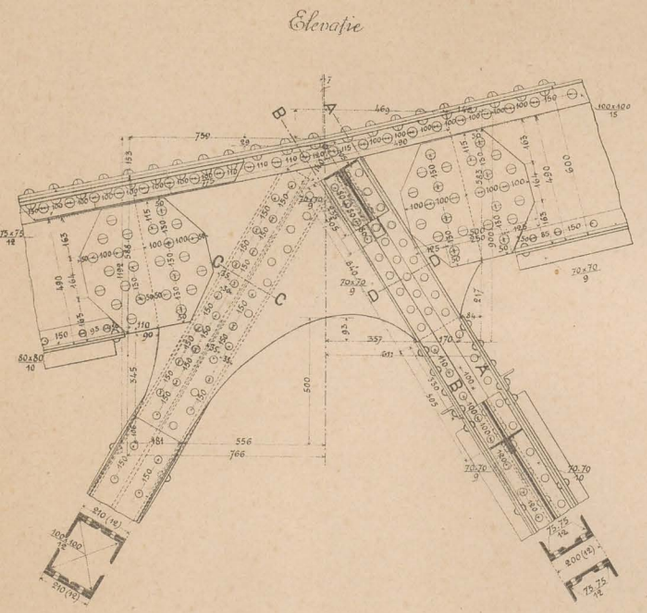
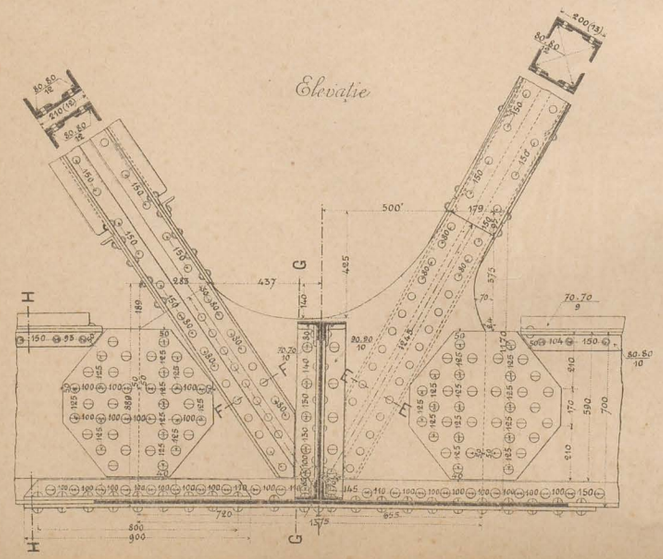
POD PESTE DUNARE LA CERNAVODA

DETALII DE IMBINARI

Pl. N° 4

NODUL N° 2


Elevaţie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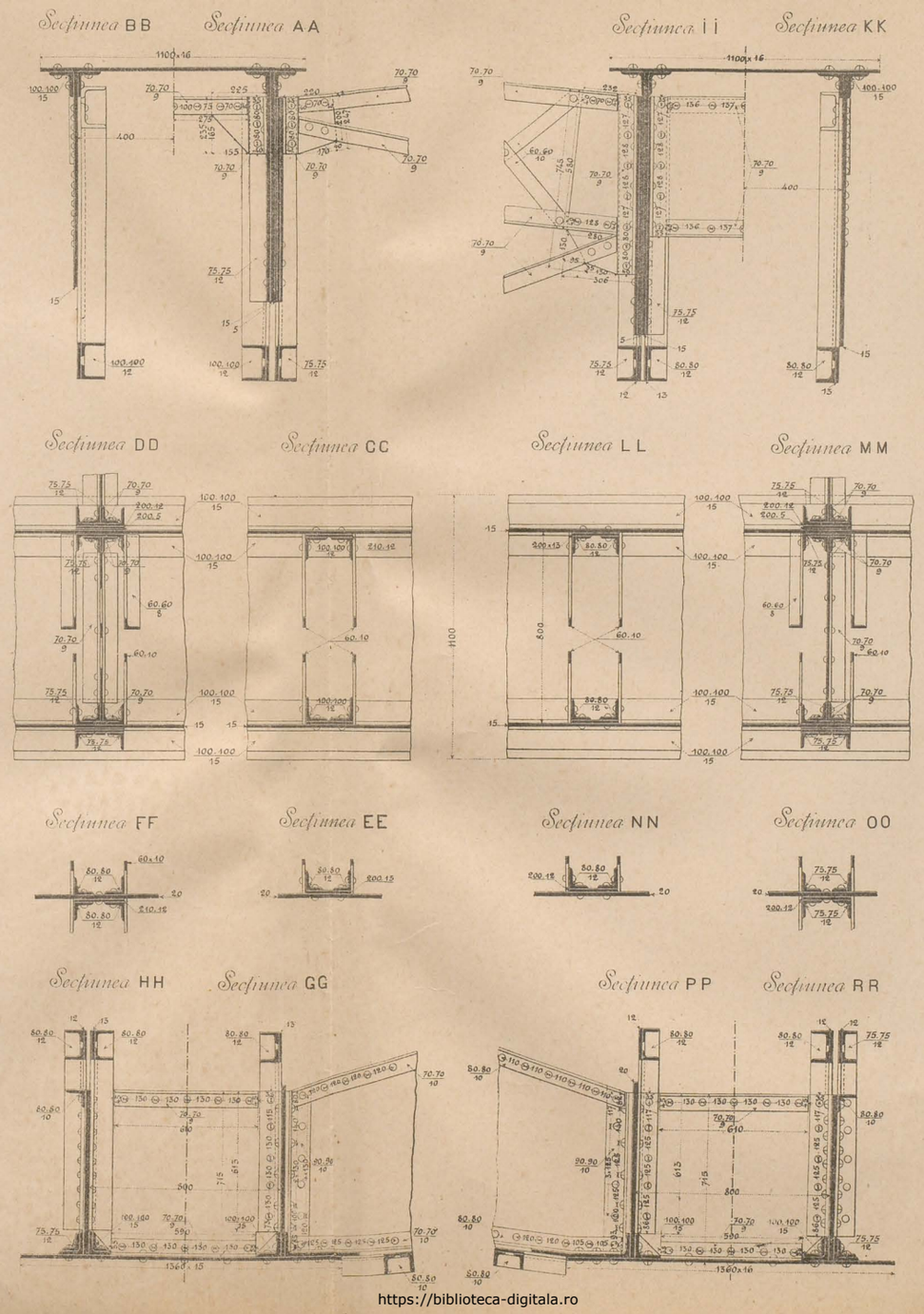
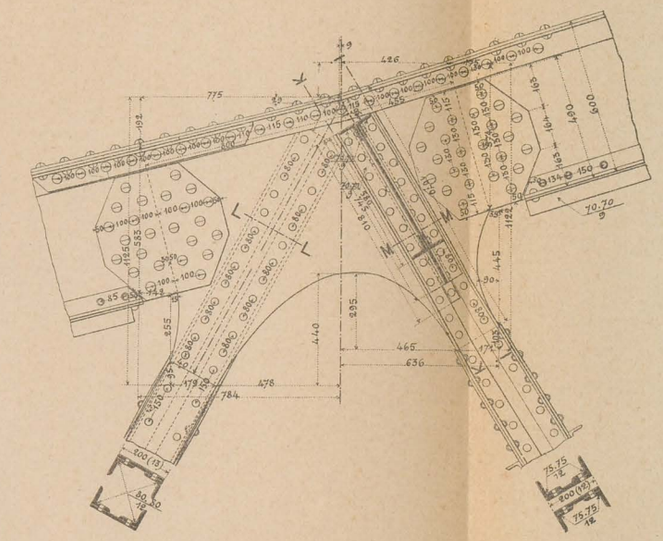

Secţiunea BB
Secţiunea AA
Secţiunea II
Secţiunea KK
Secţiunea DD
Secţiunea CC
Secţiunea LL
Secţiunea MM
Secţiunea FF
Secţiunea EE
Secţiunea NN
Secţiunea OO
Secţiunea HH
Secţiunea GG
Secţiunea PP
Secţiunea RR

Legenda

- Nituri de 18 m/m
- Nituri de 20 m/m
- Nituri de 25 m/m

NODUL N° 3


Elevaţie

Scara

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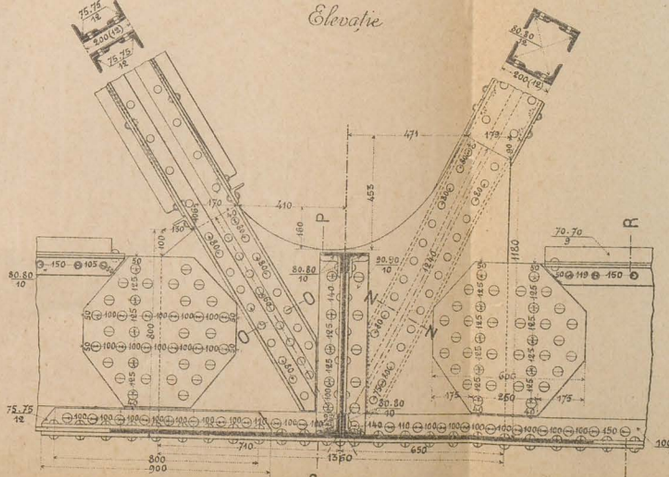
Elevaţie

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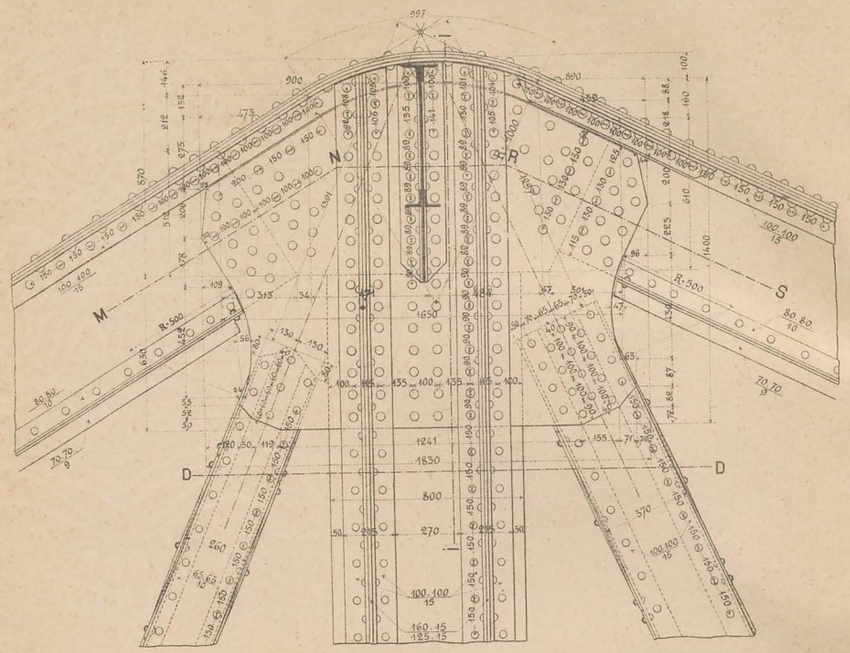
POD PESTE DUNARE LA CERNAVODA

DETALII DE IMBINARI

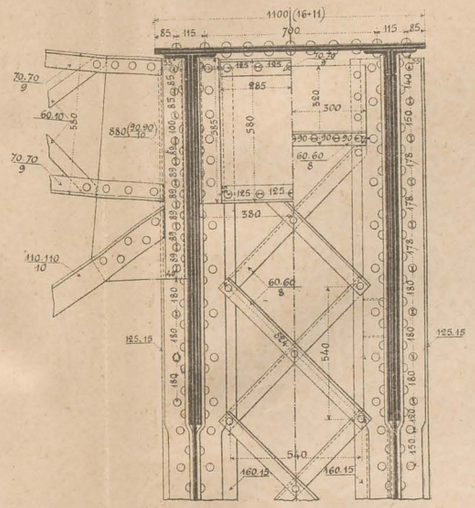
N. N.° 5

NODURILE N° 7

Elevatie

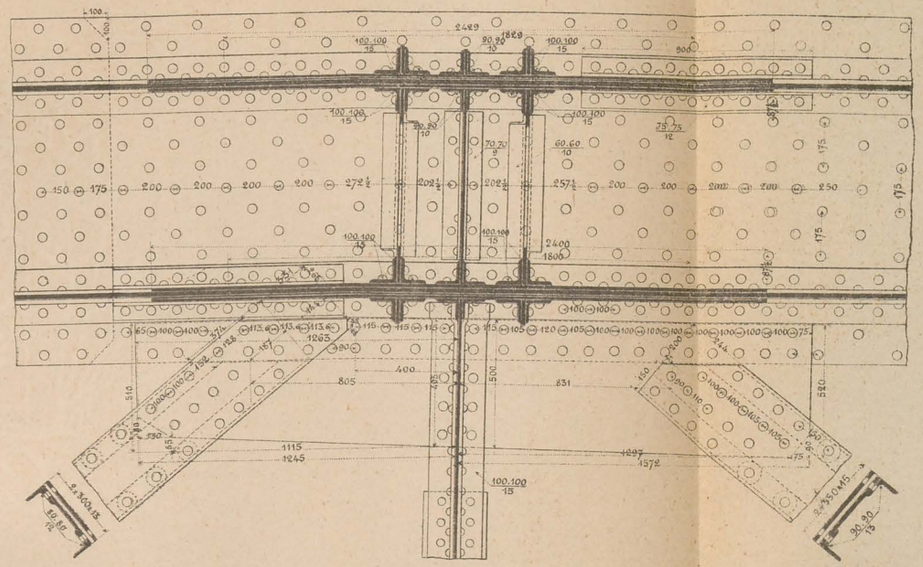


Sectiunea ii



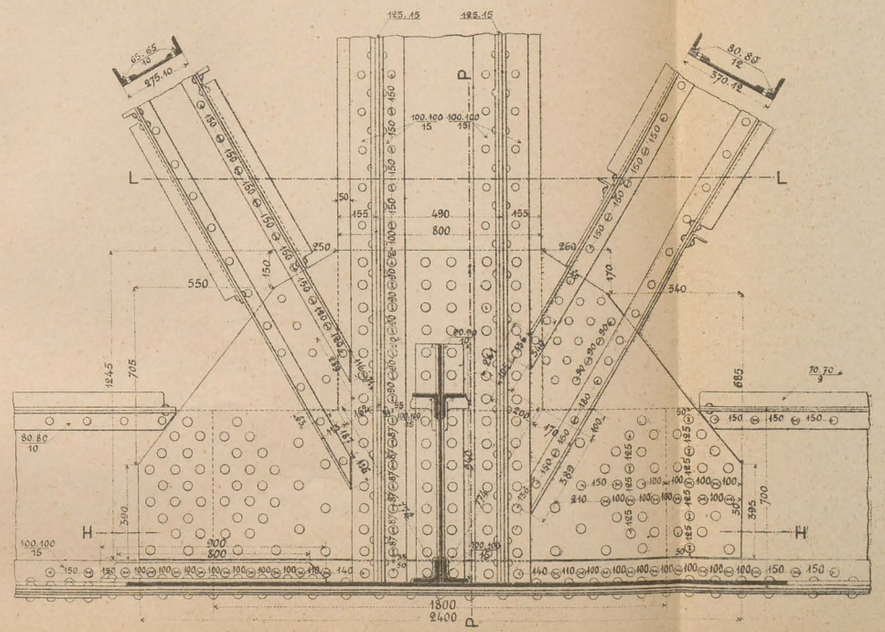
NODURILE N° 7

Sectiunea HH



Sectiunea LL

Elevatie

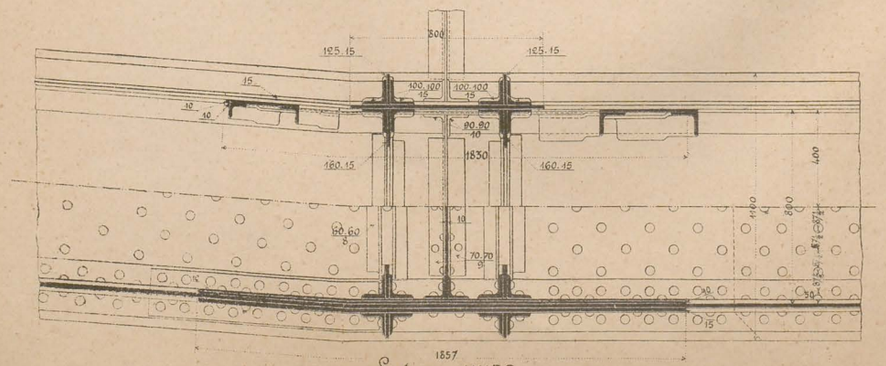


Legenda

- Niturí de 18‰
- Niturí de 20‰
- Niturí de 25‰

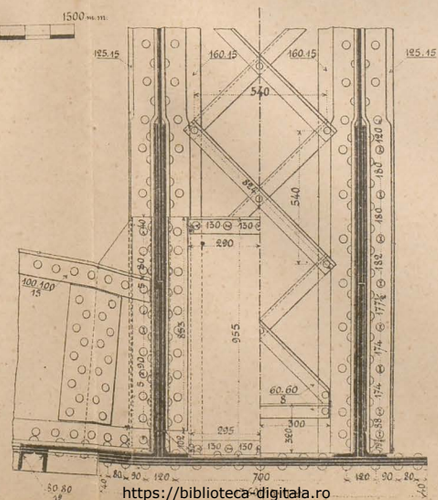
Scara

Sectiunea DD



Sectiunea MNRS

Sectiunea PP



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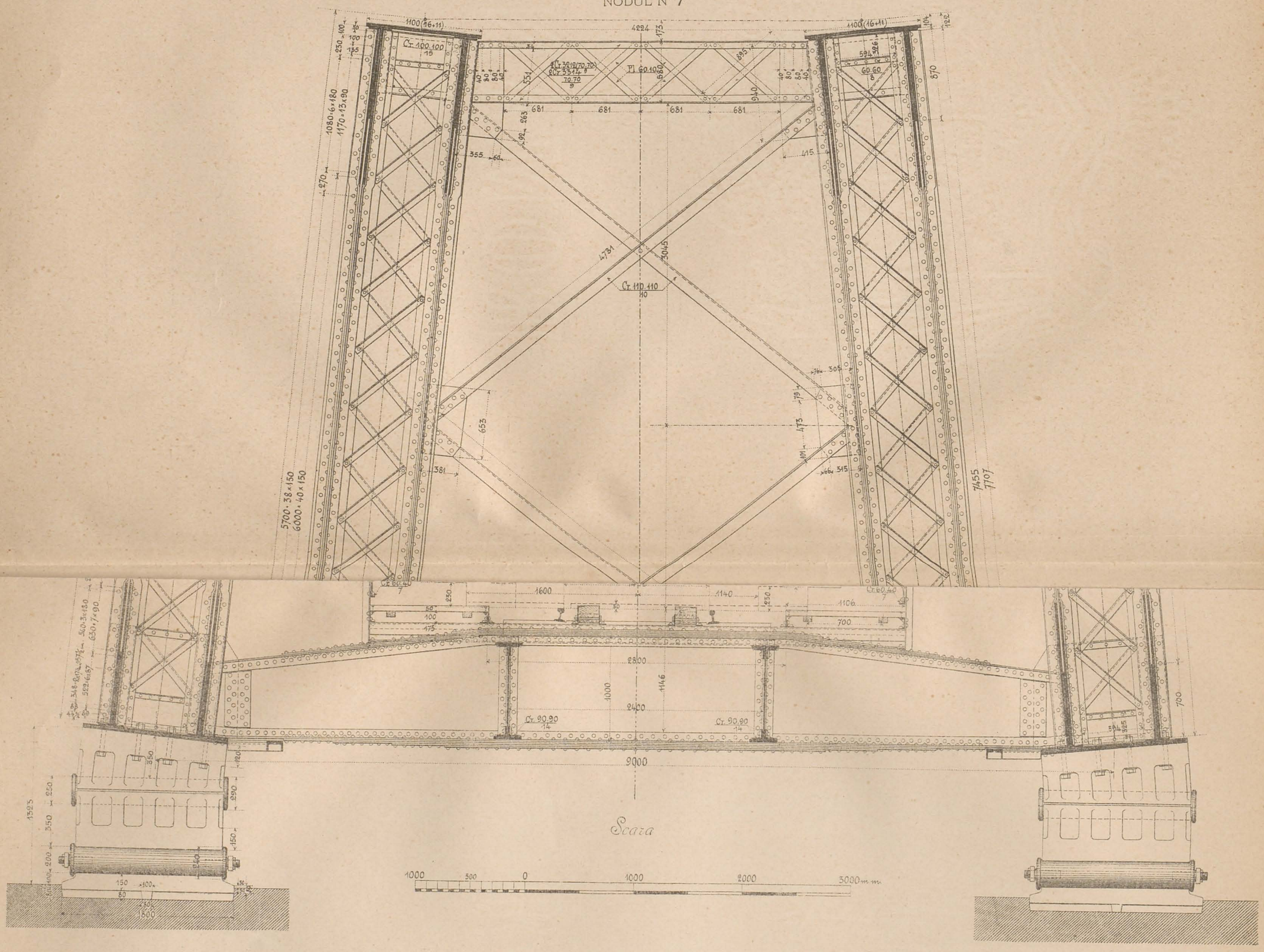
POD PESTE DUNARE LA CERNAVODA

SECTIUNE TRANSVERSALA PRIN MONTANTUL DE 24 METRI INALTIME

NODUL N° 7



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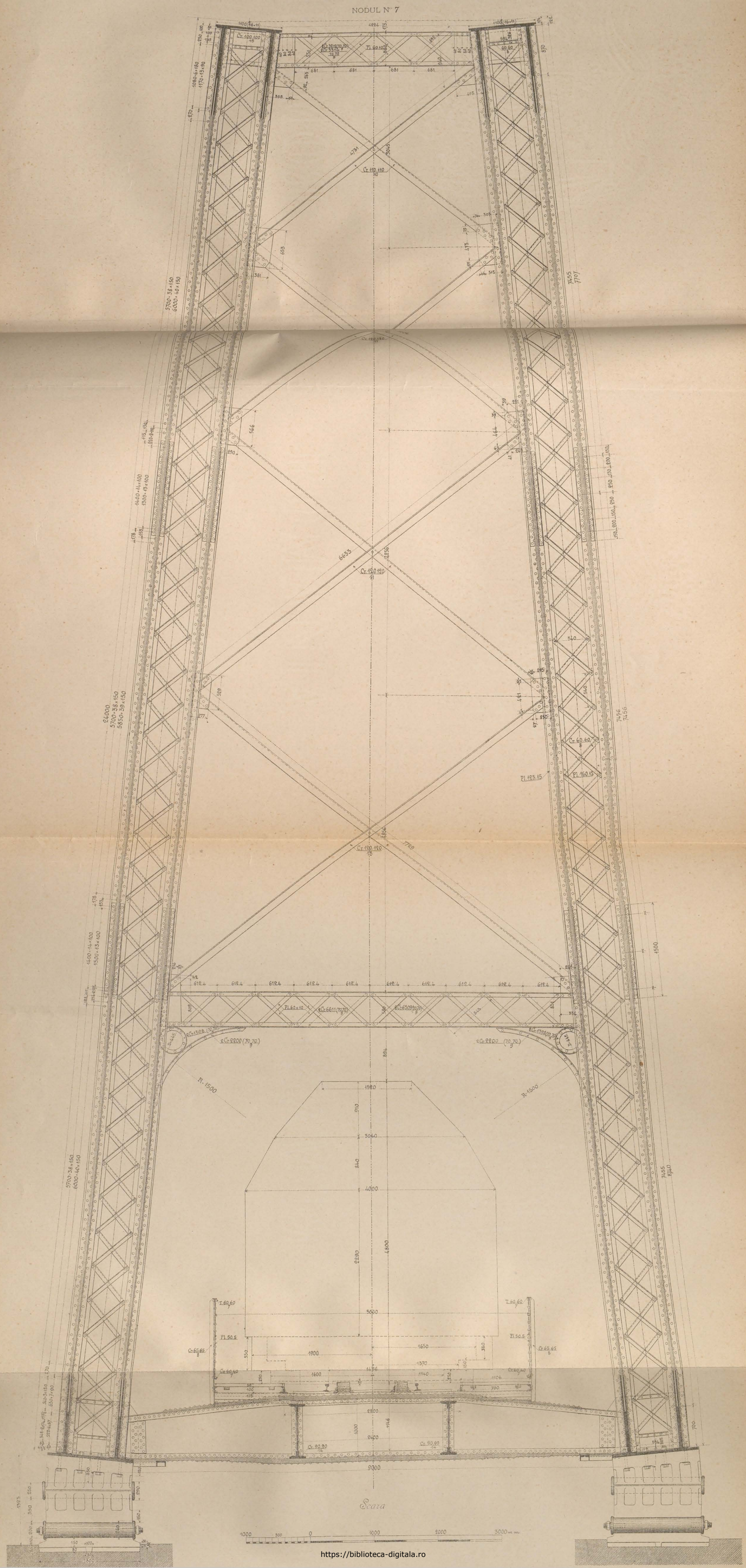
N. N.° 6

POD PESTE DUNARE LA CERNAVODA

SECTIUNE TRANSVERSALA PRIN MONTANTUL DE 24 METRI INALTIME

NODUL N° 7



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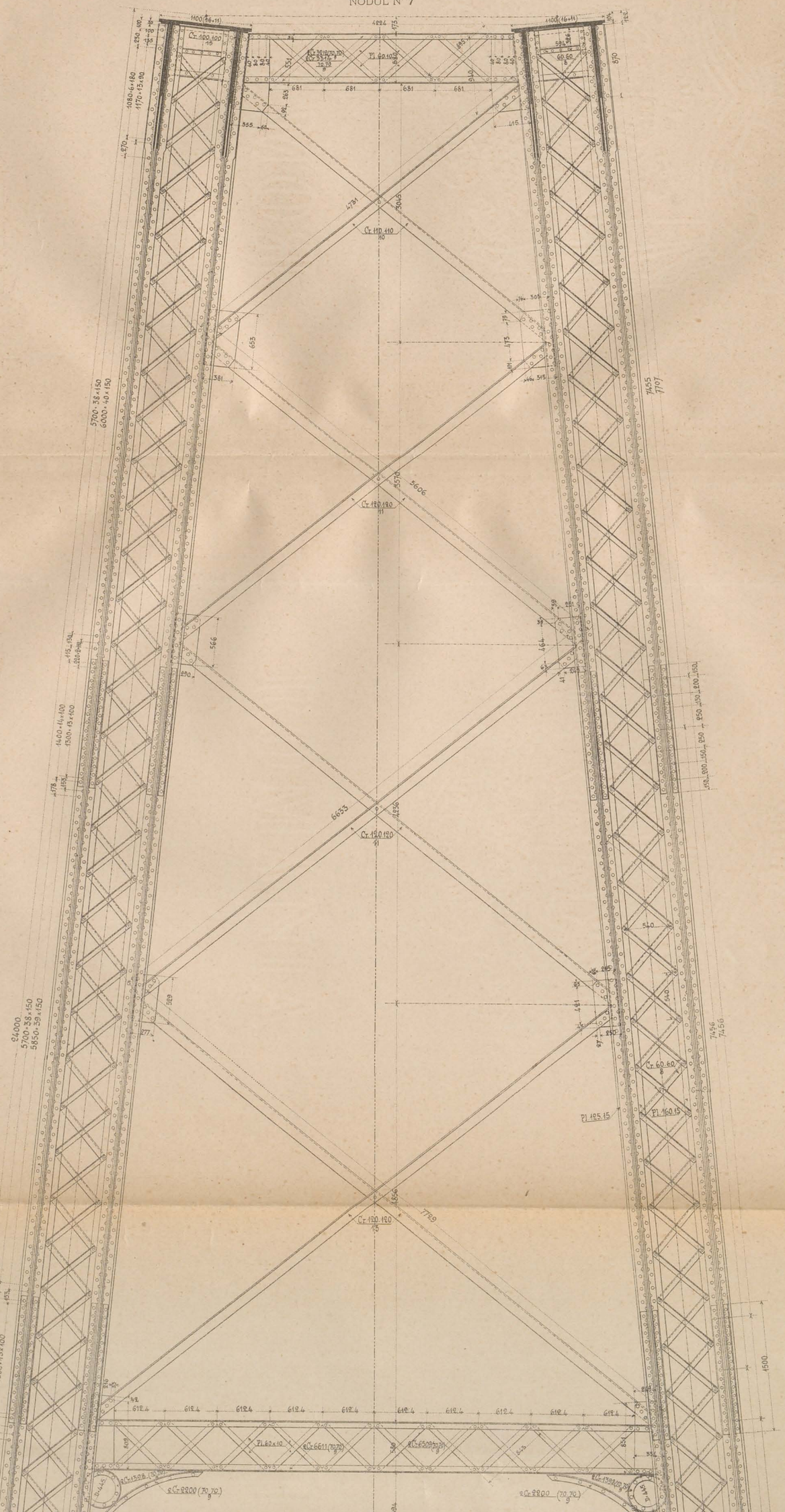
N. N.e 6

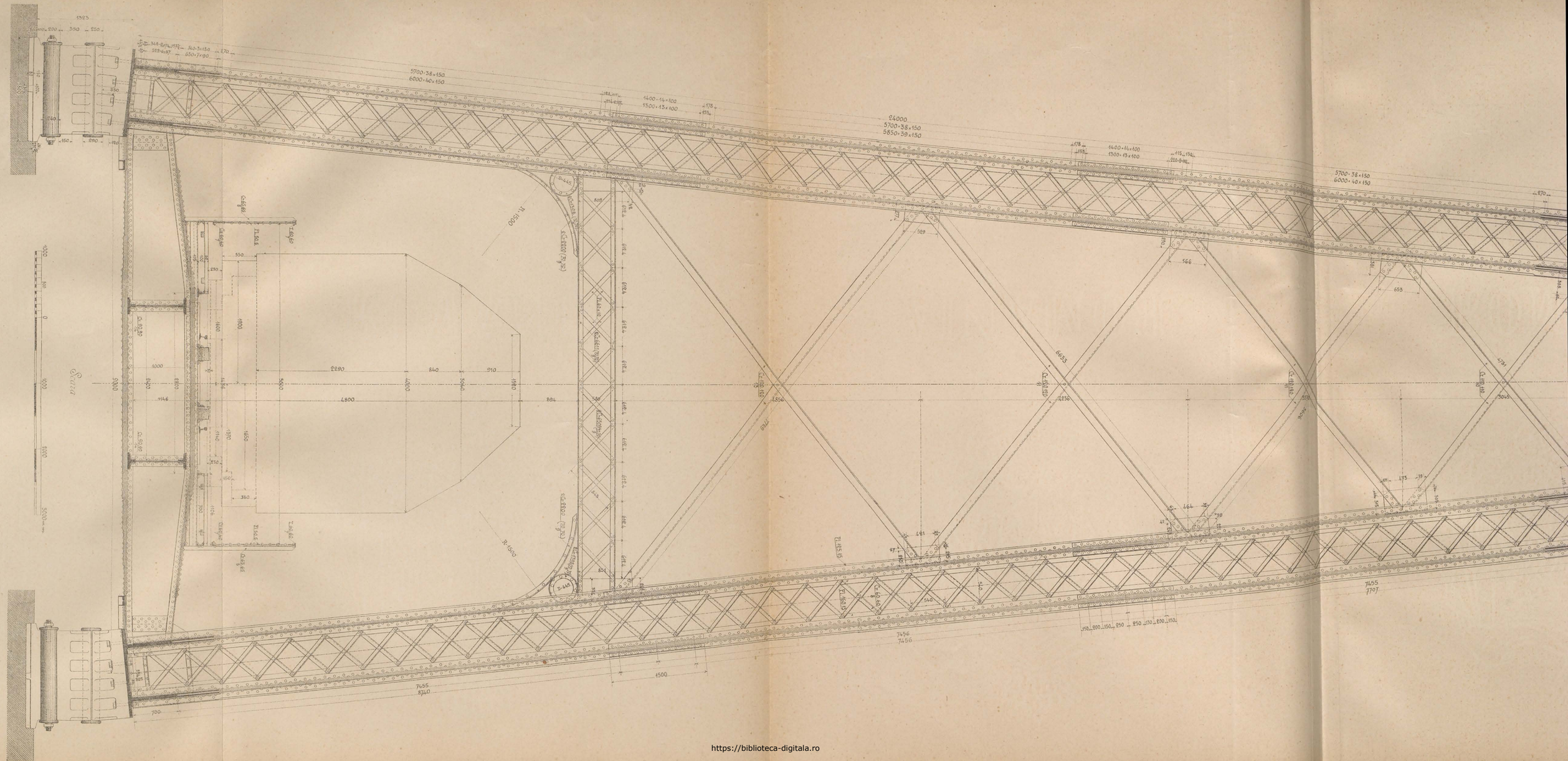
POD PESTE DUNARE LA CERNAVODA

SECTIUNE TRANSVERSALA PRIN MONTANTUL DE 24 METRI INALTIME

NODUL N° 7



https://biblioteca-digitala.ro



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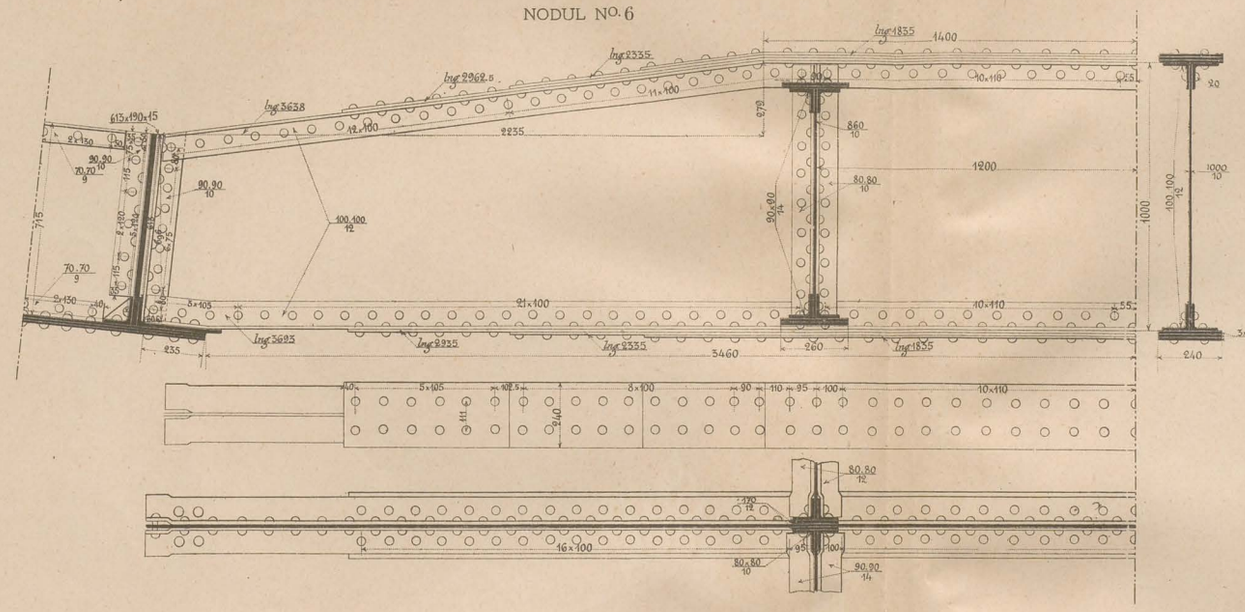
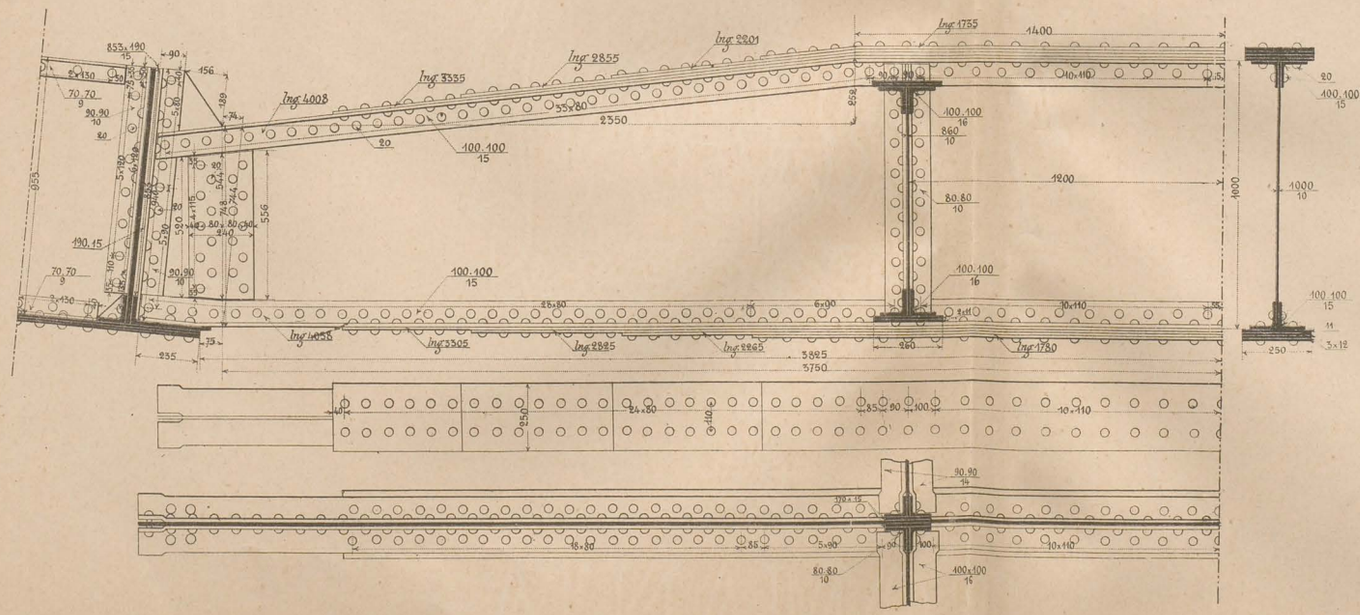
POD PESTE DUNARE LA CERNAVODA

DETALIUL GRINZILOR TRANSVERSALE

NODUL NO. 6

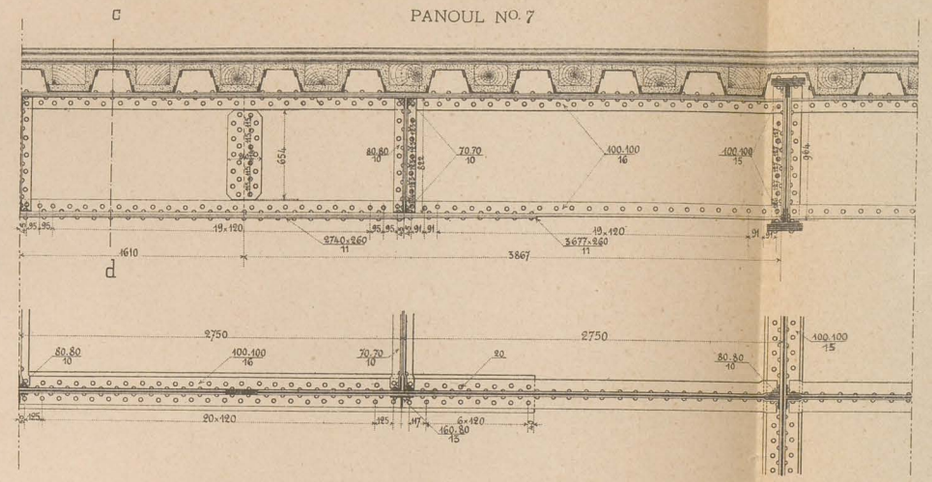


NODUL NO. 7

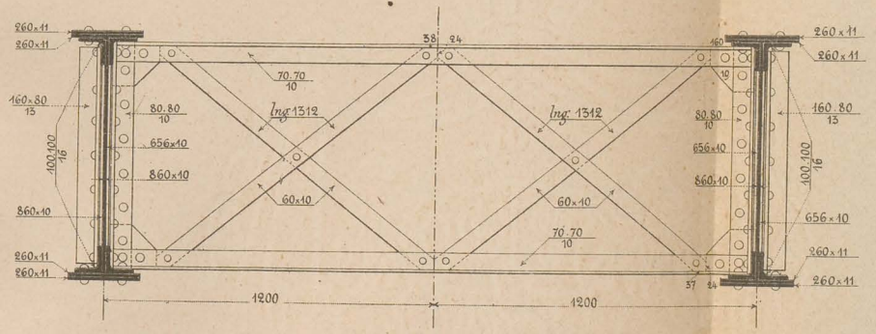


CONSTRUCTIA LONGRINELOR

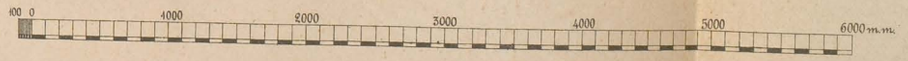
PANOUL NO. 7



Secţiunea cd



Scara construcţiei longrinelor



Scara detaliului grinţilor transversale şi a Secţiunei cd

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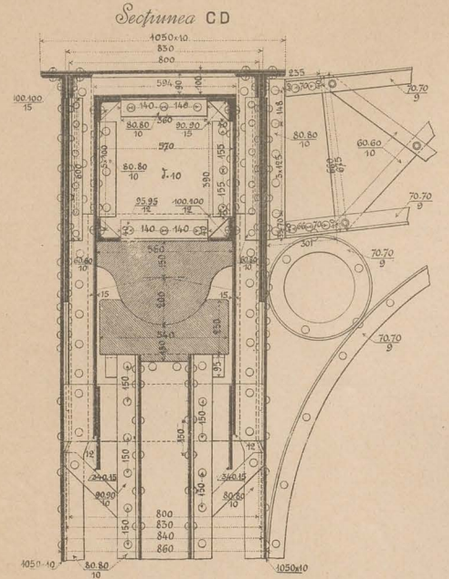
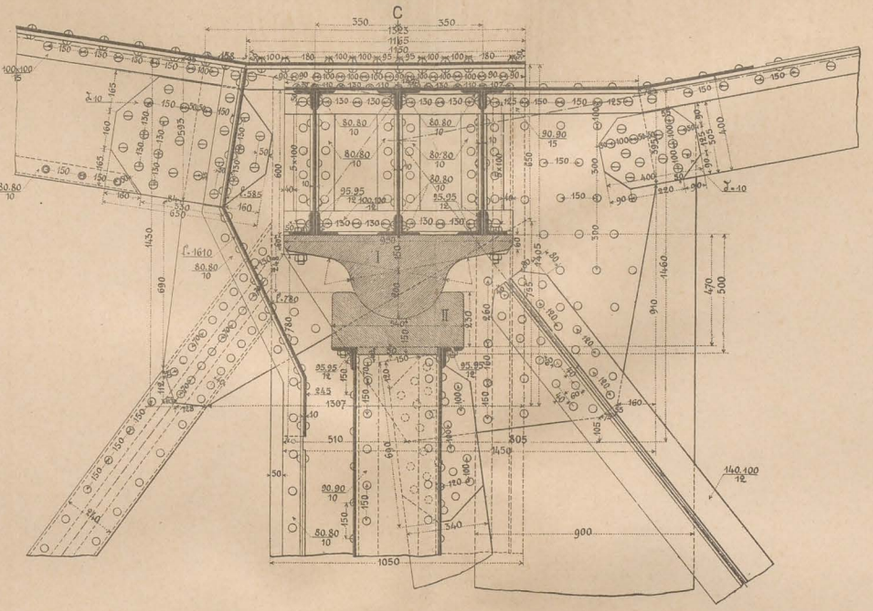
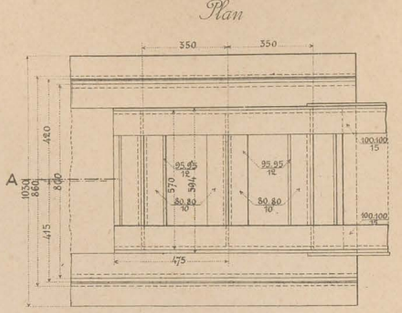
POD PESTE DUNARE LA CERNAVODA

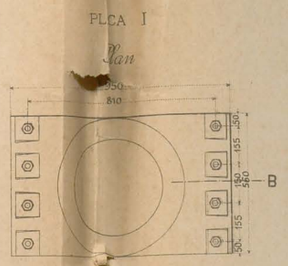
REZEMELE LA CAPETELE CONSOLELOR

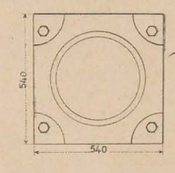


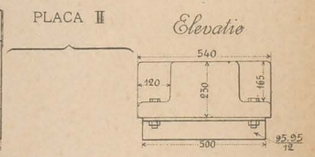


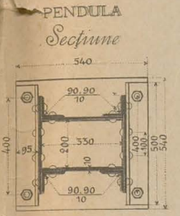
TALPA GRINDEI PARABOLICE IN DREPTUL PENDULEI

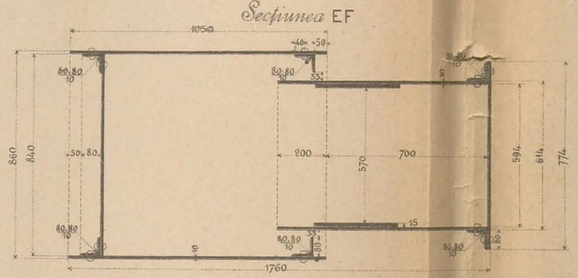




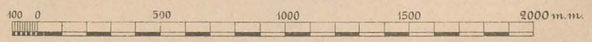






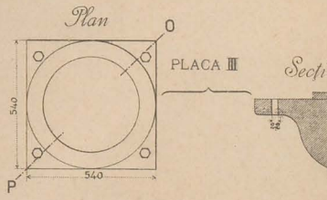


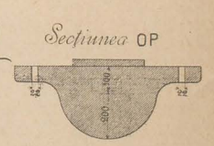
Scara

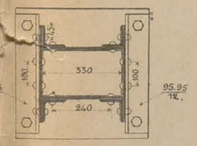


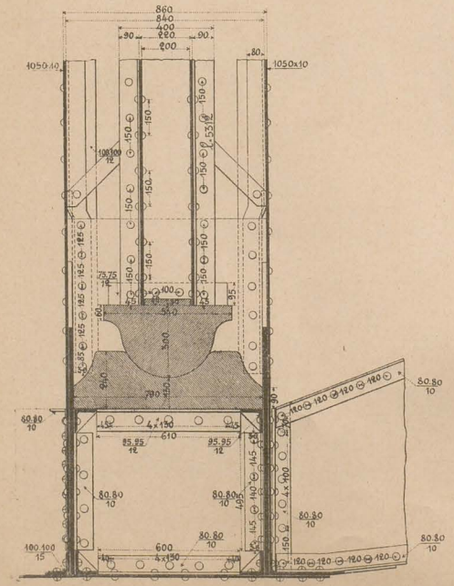
Legenda

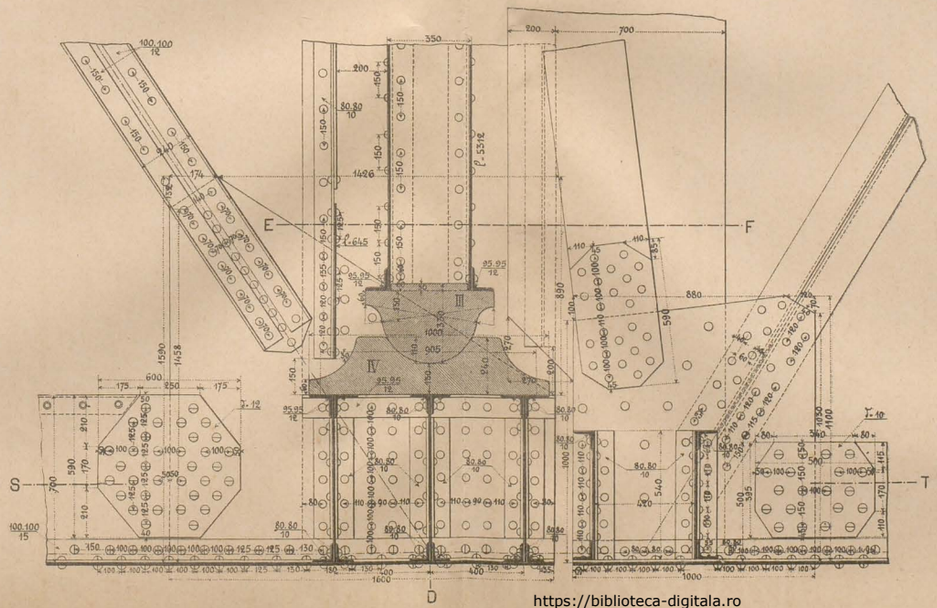
- Nituri de 18 m.m.
- Nituri de 20 m.m.
- Nituri de 25 m.m.

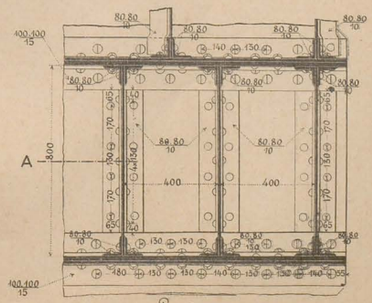


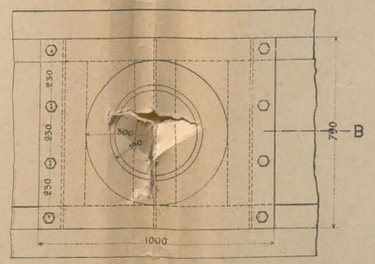












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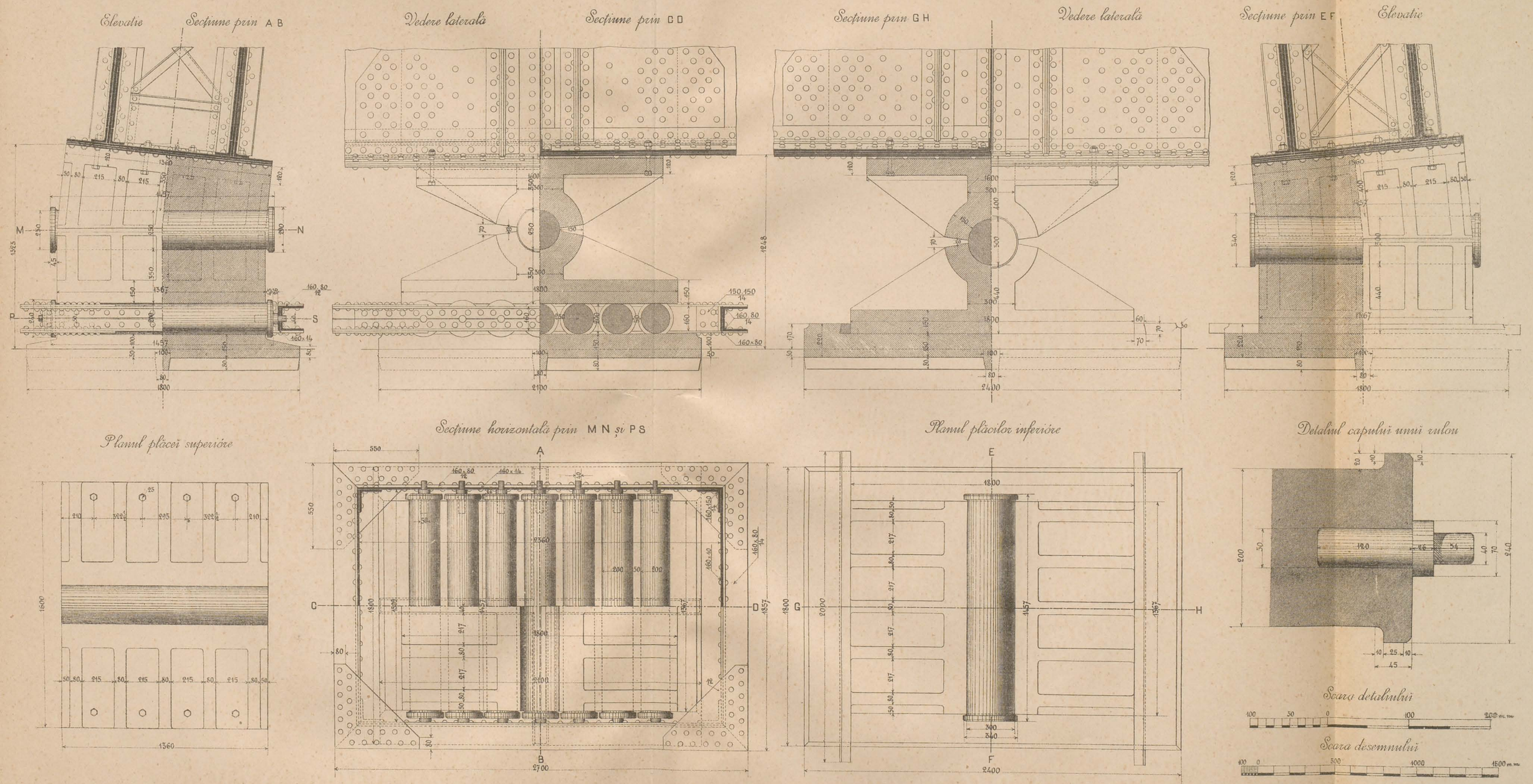
POD PESTE DUNARE LA CERNAVODA

APARATELE DE REZEM PE PILE

REZEMUL MOBIL

REZEMUL FIX



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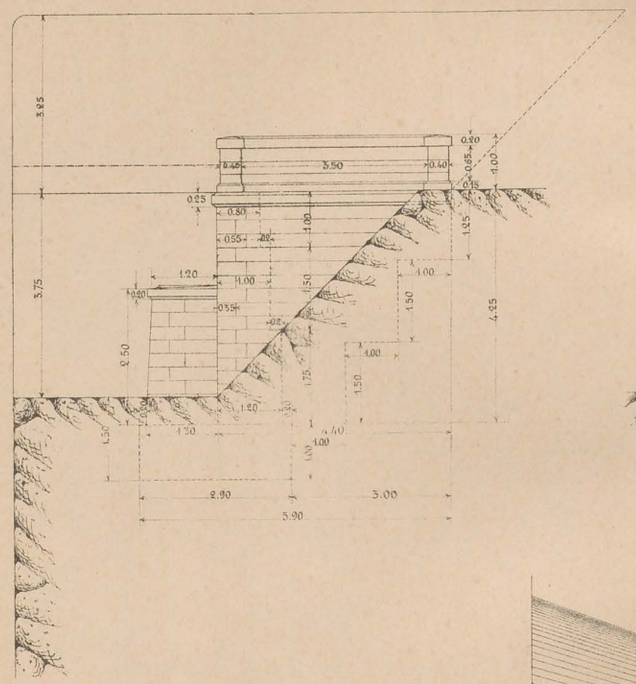
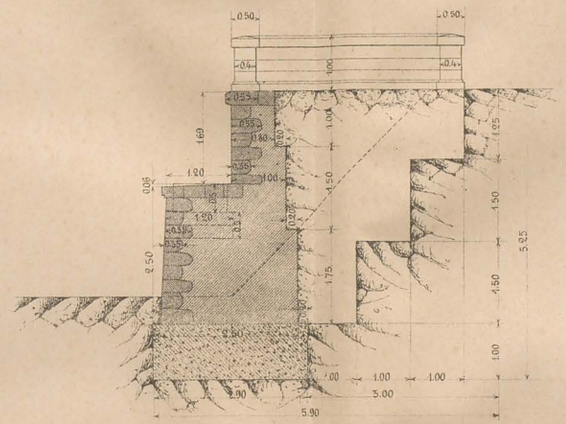
POD PESTE DUNARE LA CERNAVODA

CULEA CERNAVODA

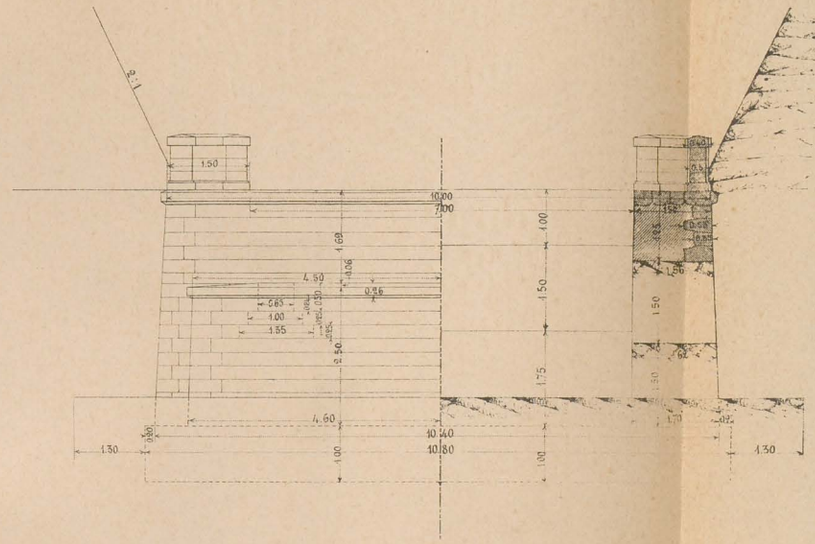
ELEVATIE



SECTIUNE LONGITUDINALA

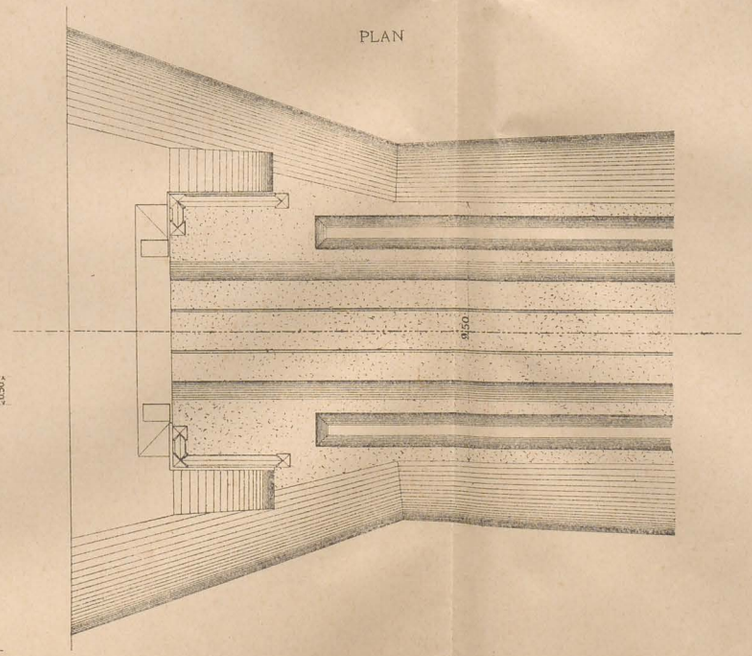


VEDERE DIN FATA

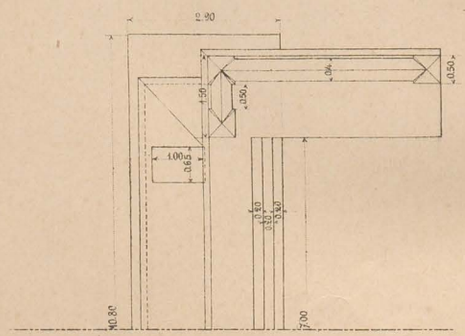


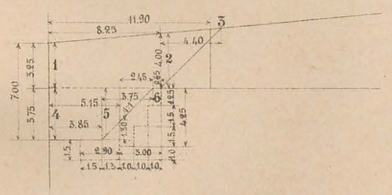
SECTIUNE TRANSVERSALA

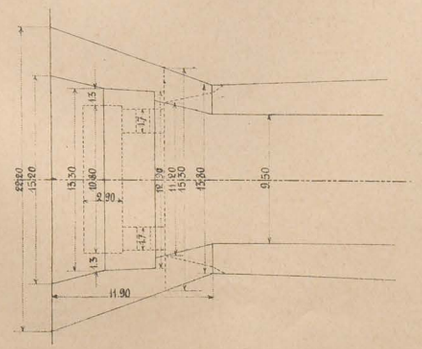
PLAN



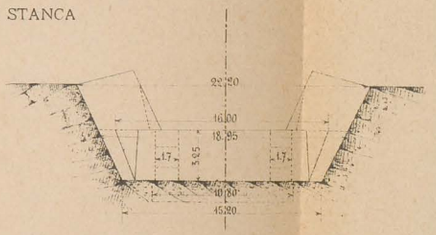
PLAN





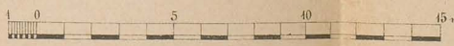


SAPATURA IN STANCA



Scara săpăturei în stâncă

Scara planului



Scara desemnului

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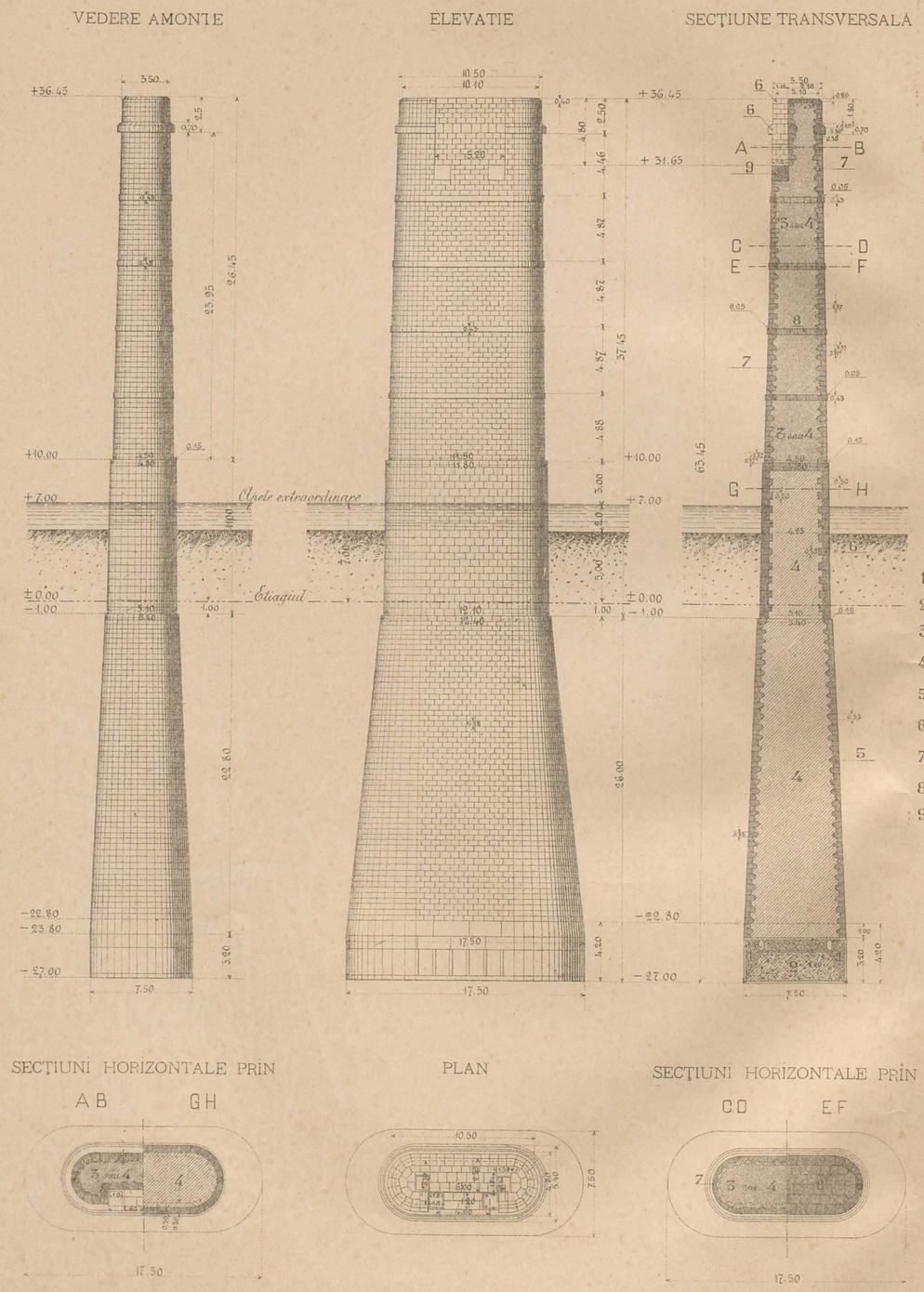
POD PESTE DUNARE LA CERNAVODA

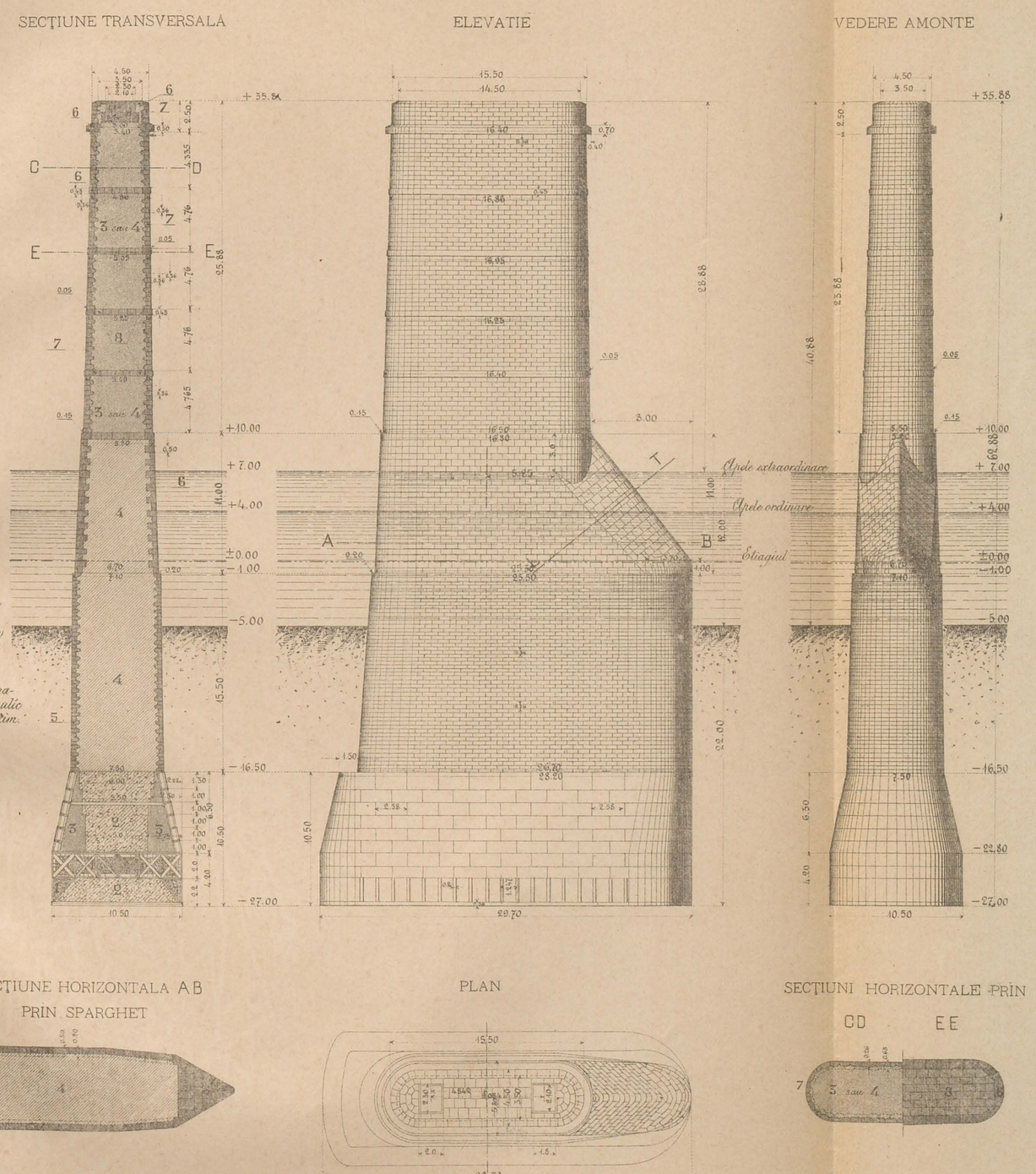
PILA CULEE


VEDERE AMONTE
ELEVATIE
SECŢIUNE TRANSVERSALĂ
SECŢIUNE NORMALA
LT
PRIN SPARGHEŢ
SECŢIUNI HORIZONTALE PRIN
AB GH
PLAN
SECŢIUNI HORIZONTALE PRIN
CD EF

LEGENDA

1. Beton cu mortar de ciment
2. Beton cu mortar de var hydraulic
3. Zidărie de moelóne brute cu mortar de ciment
4. Zidărie de moelone brute cu mortar de var hydraulic
5. Zidărie de parament de moelóne (smillés) cu mortar de var hydraulic
6. Zidărie de pétră cioplită de granit cu mortar de ciment
7. Zidărie de parament de moelone de appareil cu mortar de var hydraulic
8. Zidărie de pétră cioplită cu mortar de cim.
9. Cusineţi de pétră cioplită

PILA LATERALA


SECŢIUNE TRANSVERSALĂ
ELEVATIE
VEDERE AMONTE
SECŢIUNE HORIZONTALA AB
PRIN SPARGHET
PLAN
SECŢIUNI HORIZONTALE PRIN
CD EE

Scara secţiunei normale prin sparghet

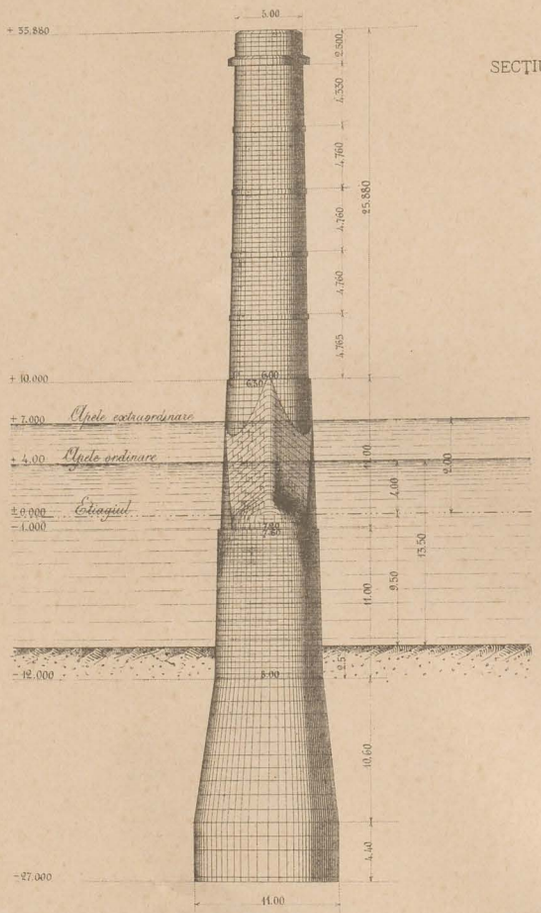
Scara desemnului

https://biblioteca-digitala.ro

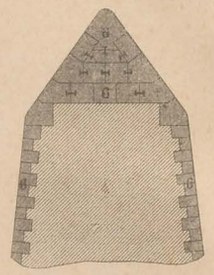
POD PESTE DUNARE LA CERNAVODA

PILA SUB MONTANTUL DE 31 METRI

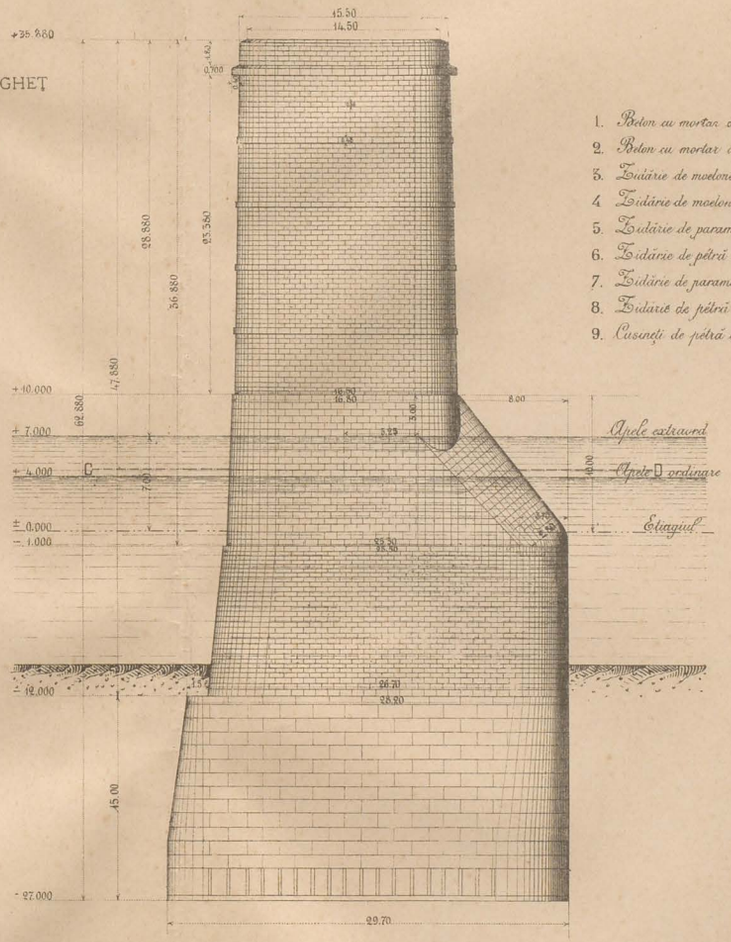
VEDERE AMONTE



SECȚIUNE NORMALA PRIN SPARGHEȚ



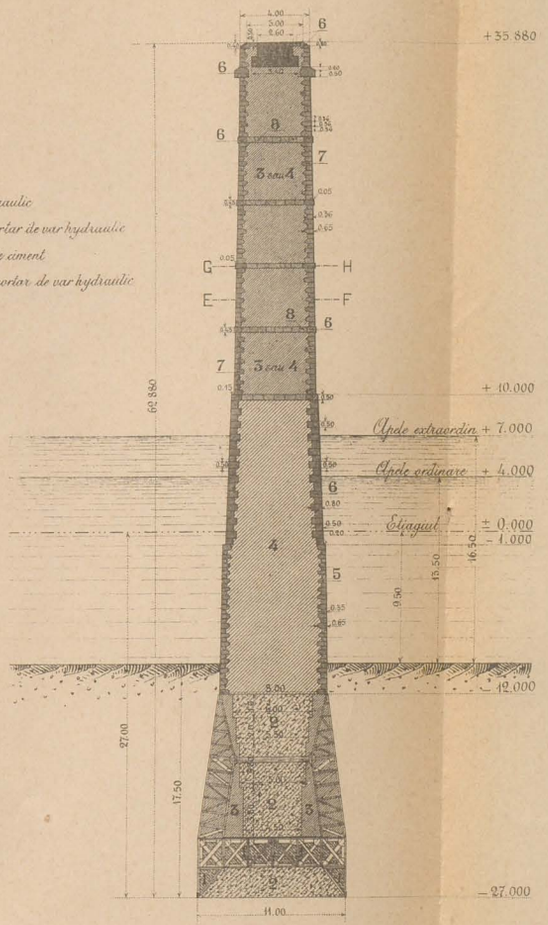
ELEVATIE



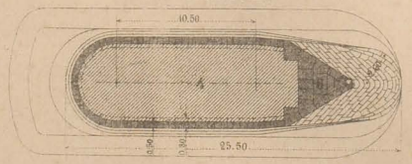
LEGENDA

1. Beton cu mortar de ciment
2. Beton cu mortar de var hydraulic
3. Zidărie de moelone brute cu mortar de ciment
4. Zidărie de moelone brute cu mortar de var hydraulic
5. Zidărie de parament de moelone (smillés) cu mortar de var hydraulic
6. Zidărie de pétră cioplită de granit cu mortar de ciment
7. Zidărie de parament de moelone de appareil cu mortar de var hydraulic
8. Zidărie de pétră cioplită cu mortar de ciment
9. Cusineți de pétră cioplită

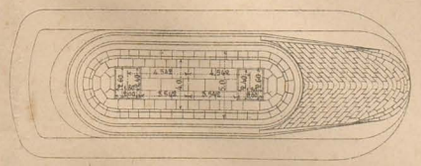
SECȚIUNE TRANSVERSALA



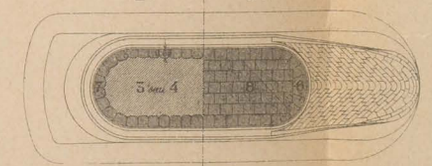
SECȚIUNE HORIZONTALA CD
PRIN SPARGHET



PLAN



SECȚIUNI HORIZONTALE PRIN
EF GH



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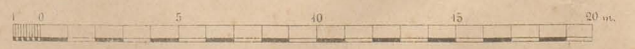

Scara desemnului

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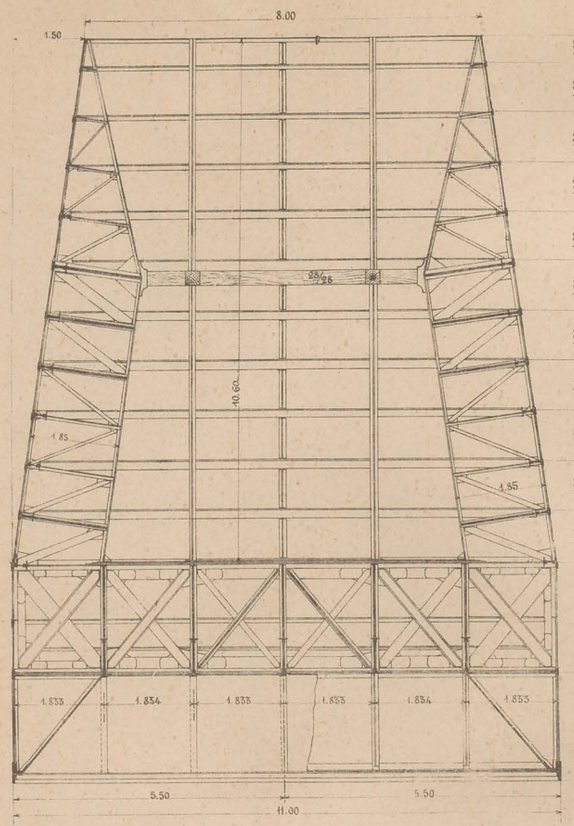
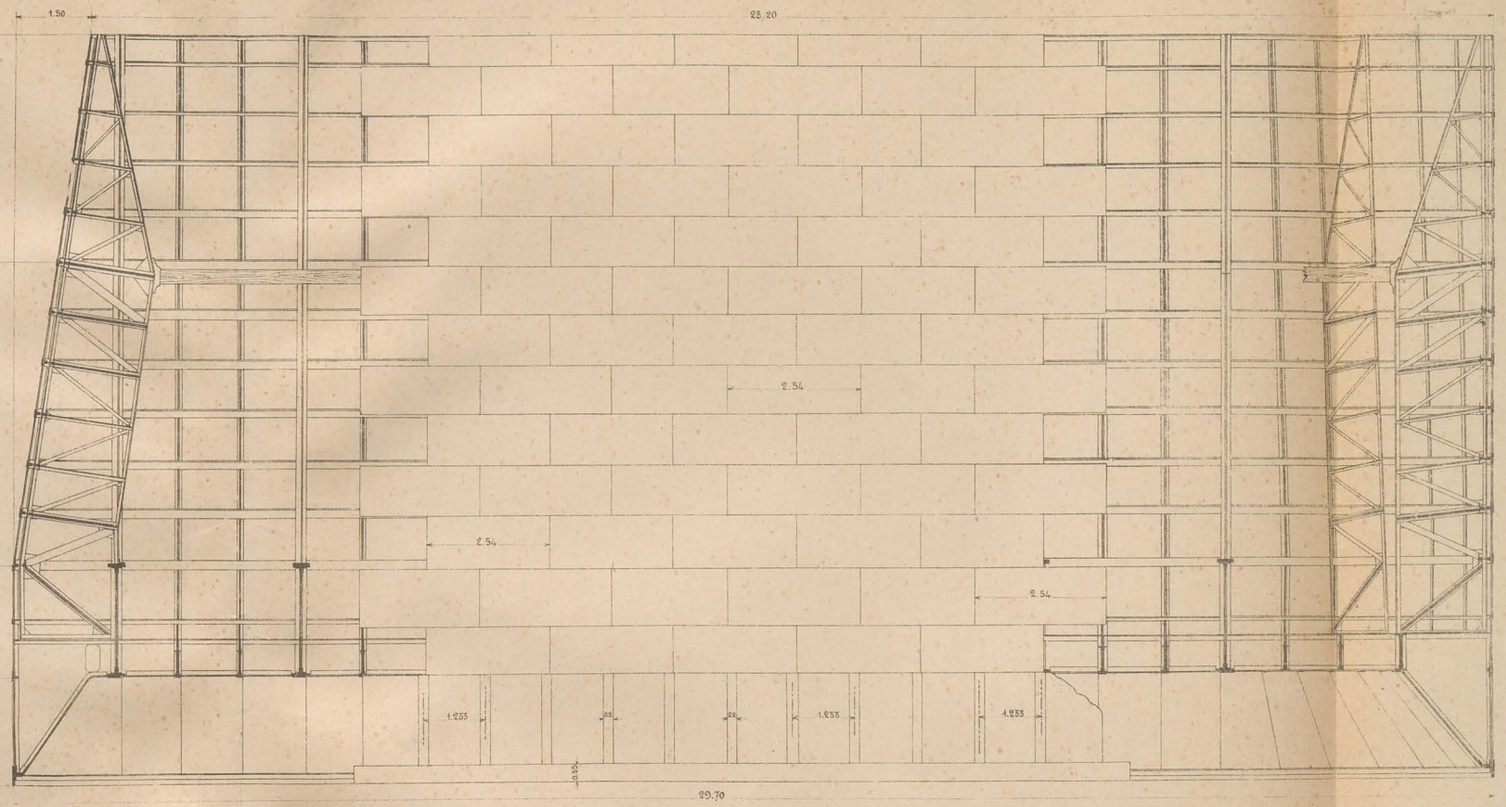
POD PESTE DUNARE LA CERNAVODA

SECTIUNE TRANSVERSALĂ



ELEVATIE SI SECTIUNE LONGITUDINALĂ

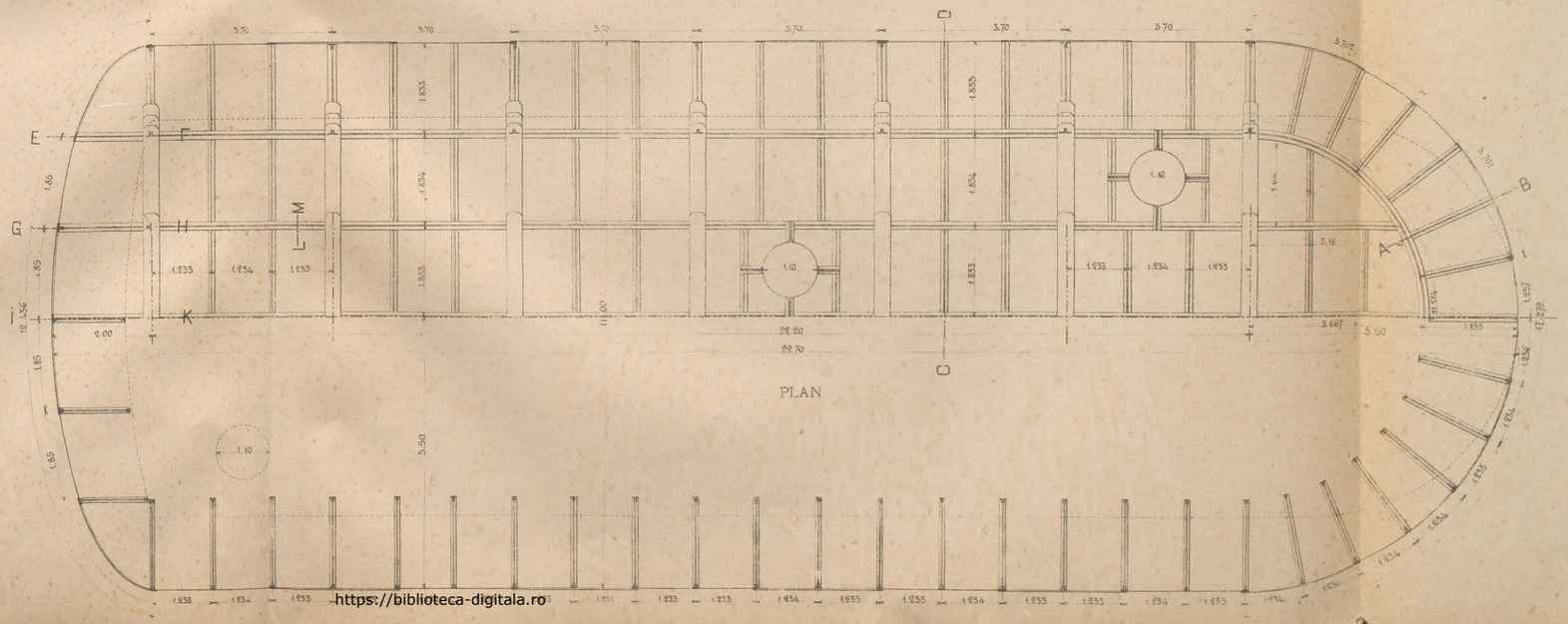


CHESONUL PILELOR CENTRALE

Scara Secţiunilor Elevaţii

şi a

Planului

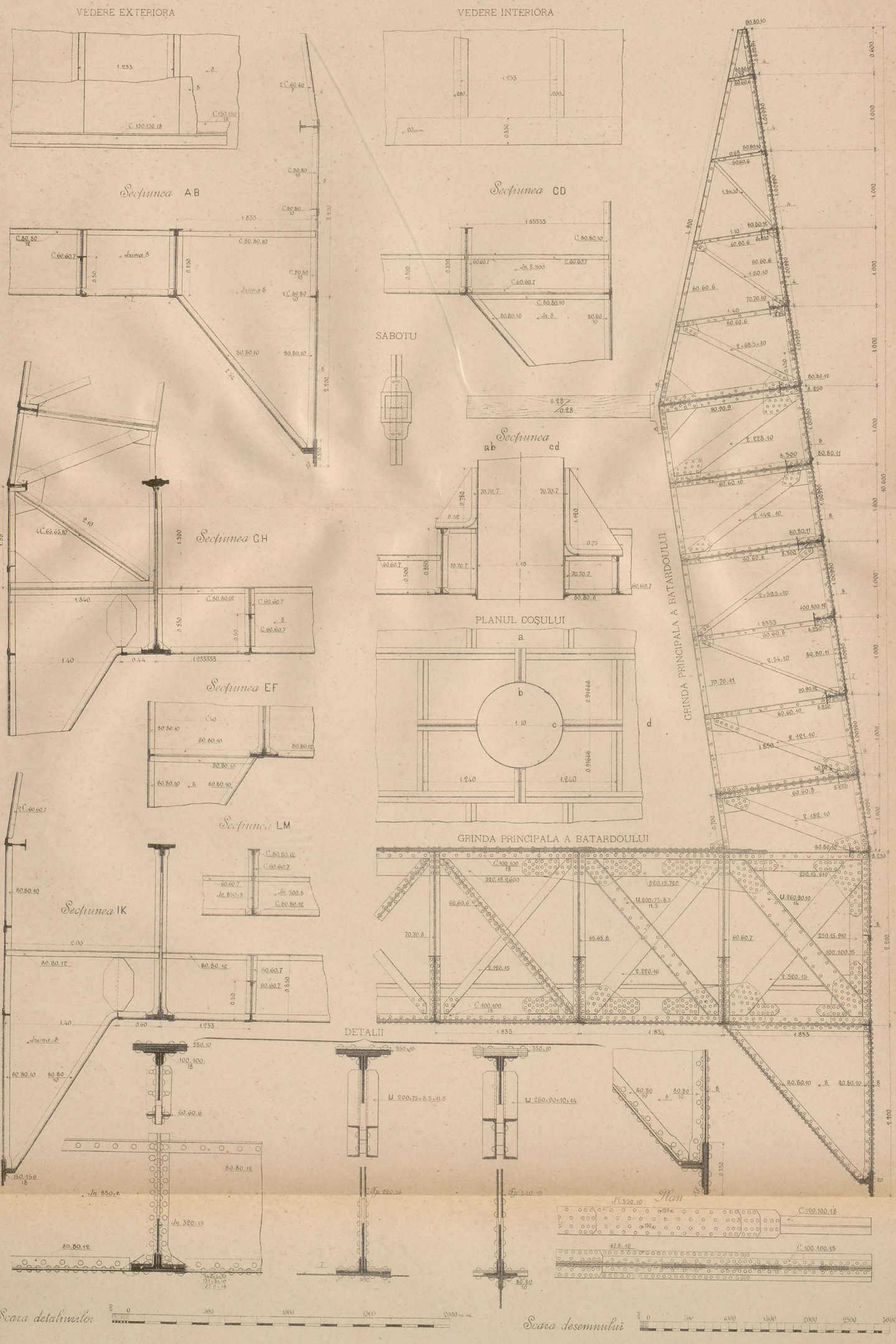


PLAN

https://biblioteca-digitala.ro

POD PESTE DUNARE LA CERNAVODA

PROJECTUL CHESONULUI PILEI N° 1



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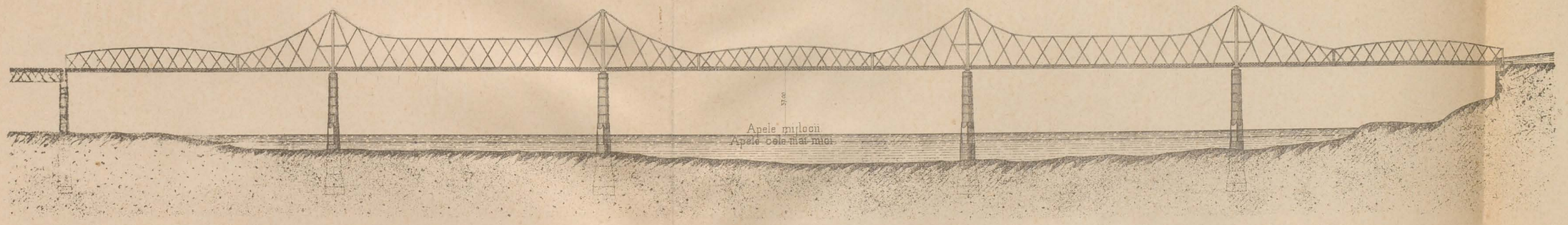
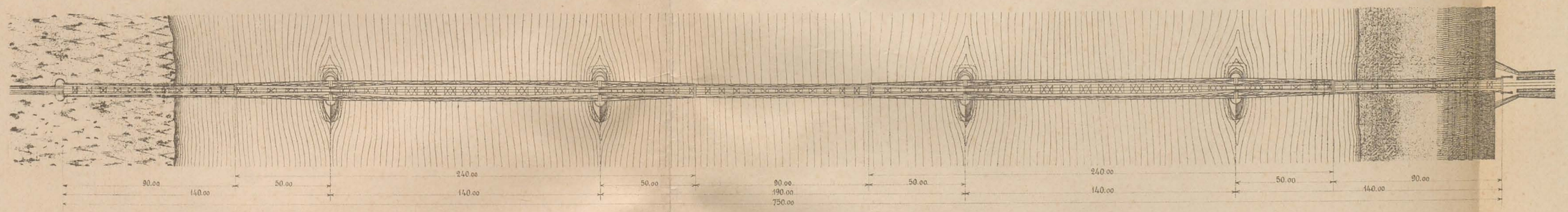
POD PESTE DUNARE LA CERNAVODA

ELEVATIE



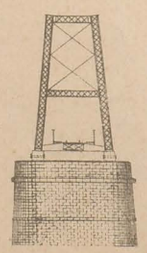
PLAN

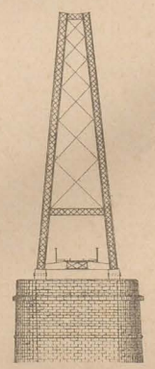


SECŢIUNE TRANSVERSALA

PRIN

MIJLOCUL GRINDEI CONSOLE

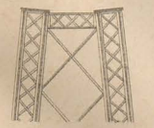




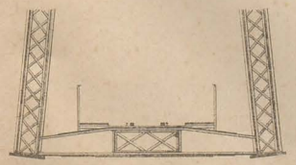
SECŢIUNI TRANSVERSALE

PRIN

MONTANT

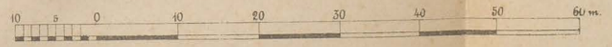


DETALIU



Scara Elevatiei si Planului

Scara Secţiunilor transversale



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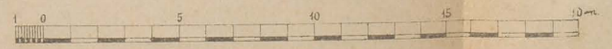

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